

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 27th Year
Single Copy: \$1.25

Return Address:
Kenneth A. Ebner
822 Wauona Trail
Portage, WI 53901

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Vol. 27 No. 7 • 319th Consecutive Monthly Issue • Baraboo, Wisconsin • July 1996

2-Meter/70-cm band threat comment flood continues

Hams continue to respond in force to defend the 2-meter and 70-cm bands against a threat from the Mobile Satellite Service (MSS). Since the issue surfaced in May, hams and others have directed thousands of letters, e-mail messages, and faxes to representatives on Informal Working Group 2A (IWG-2A), which is preparing draft US proposals for the 1997 World Radiocommunication Conference. The IWG-2A's list of "candidate bands" for low-earth-orbit mobile satellites ("little LEOs") includes the 144 and 420-MHz bands, among others suggested for consideration. Little LEOs are intended mainly to offer commercial paging and other low-data-rate messaging services.

The list of candidate bands was submitted by little LEO industry representatives at a May 7 IWG-2A meeting. ARRL Technical Relations Manager Paul Rinaldo, W4RI, was present and objected strongly to the inclusion of these two bands. As directed, the ARRL subsequently put its objections in writing. Despite the objections, the two ham bands remained on the table, prompting ARRL Executive Vice President David Sumner, K1ZZ, to issue a call to actions in his July 1996 QST editorial. The editorial -- circulated far and wide by e-mail and packet radio -- generated so many responses that the FCC has had to modify its procedures to cope with the deluge!

Instead of directing comments to the individuals listed in the pre-press version of Sumner's editorial, the Commission's new procedures ask that comments by e-mail be sent to: wrc97@fcc.gov. Written comments, with an original plus one copy, should be sent to: Office of the Secretary, Federal Communications Commission, Washington, DC 20554. Each comment should include at the top, "Reference No. ISP-96-005" and "Advisory Committee Informal Working Group 2A." The FCC staff assures that all comments will be given prompt consideration. Spread the word about this new commenting procedure. But remember: as Sumner's July QST editorial advises--Do comment. But be civil. Don't abuse people who are simply doing their jobs.

The initial outpouring of comments directed to individuals prompted the Chairman of the Industry Advisory Committee Scott B. Harris to ask the League to call off the campaign. In a June 5 fax, Harris accused the League of unfairly targeting private-industry representatives on the committee. "The tactic ARRL has chosen to use in this process in neither necessary nor appropriate," Harris wrote. Sumner responded that Harris was misinformed about the ARRL's intentions. "The League has participated actively in the IAC,

Please turn to page 6

New Section Manager to take reins in Wisconsin Section



Wisconsin's new Section Manager, Roy Pedersen, K9FHI.

After serving six 2-year terms as Section Manager of the American Radio Relay League's Wisconsin Section, Rich Regent, K9GDF, Milwaukee, is stepping down.

The incoming SM is Rich's predecessor and successor, Roy Pedersen, K9FHI, of Juneau. Roy served over ten years as SM before Rich began his term.

Roy is active on Wisconsin traffic nets and is an active camper. His wife, Beryl, is an amateur (KA9BAC), and sons Gary (KA9BAE) and Mike (N9QMV), make the Pedersens an all-ham family.

Rich's column, in the Participating Clubs section of this issue, will be his last SM report.

We hope to receive information each month from Roy to publish to encourage radio amateurs to take part in all of the many ham activities in the Wisconsin area. And Rich tells us that we have not heard the last from him. □

- Photo by Jim Romelfanger/K9ZZ

In this issue:

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1996 Wisconsin QSO Party

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Sponsored by the West Allis Radio Amateur Club



Racine Megacycle Club station W9UDU takes part in WQP



W9UDU, the Racine Megacycle Club's club station, was active in the 1996 Wisconsin QSO Party, with a number of different operators taking turns. Here, Joe Schimanski, KB9HSJ; Tim (visitor), and Tony, N9ZWM (no last name available) do their parts. See another photo and a story in the results section of this issue.

- Photo courtesy Lee McKnight/N9VNU

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✕ Amateur Radio Exam Schedules

EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

Swapfests and Other Social Events

SATURDAY, JULY 13, 1996. South Milwaukee ARC Swapfest. American Legion Post 434, Oak Creek, WI. Contact (414) 762-3235.

SATURDAY, JULY 27, 1996. Eau Claire ARC Swapfest, New Location: Eau Claire County Fairgrounds, intersection of Highways 93 and I-94, Eau Claire, WI. Free parking, free coffee, lunch available on grounds, advance setup from 5:00 p.m. Friday, commercial exhibitors, Contact: Carol Ceraso, (717) 723-9205 or Liz Searing, (715) 834-1303. P.O. Box 1867, Eau Claire, WI 54701.

SATURDAY, JULY 27, 1996. 1996 Rockford hamfest, New date and Location. Winnebago County Fairgrounds, Pecatonica, IL. Also check the steam engine show at nearby Freeport Fairgrounds. Contact: Rockford ARA, PO Box 8456, Rockford, IL 61126-8465. Marsha Plasters (815) 399-9233 or Diana White (815) 645-8545.

SUNDAY, JULY 28, 1996. RACINE HAMFEST 96, South Hill Country Club I-94, East Frontage Road between Highways 20 and K. Contact: RMC, P.O. Box 3, Racine, WI 53401.

SUNDAY, AUGUST 4, 1996. The Marshfield Area Amateur Radio Society will be holding their 5th annual picnic. Gather around 11:00 a.m. Potluck, Swapfest. In Wildwood Park, Marshfield, WI. Talk in on 147.180. All welcome. Contact: Guy A. Boucher, KF9XX, 107 West Third St., Marshfield, WI 54449. (715) 384-4323. Packet:KF9XX @ W9IHW.WI.USA.NA.

SATURDAY, AUGUST 17, 1996. Northwoods Hamfest, sponsored by the Rhinelander Repeater Association and the Northwoods ARES at Sugar Camp Town Hall, Highway 17, 13 miles north of Rhinelander, WI. Contact: Mary Berger, NS9Q, 367 Lois St., Rhinelander, WI 54501. (715) 362-9296.

SATURDAY, AUGUST 17, 1996. Swapfest sponsored by C.A.R.S. at Crystal Ridge Ski Lodge, 76th Street and

Loomis Road (Hwy 36), Franklin, WI. Contact C.A.R.S., P.O. Box 325, Franksville, WI 53126-0325, or call Mike N9OEZ at (414) 325-7427.

SUNDAY, AUGUST 18, 1996. DuPage ARC Hamfest Computer Show. Hawthorne Race Course, 3500 South Cicero Ave., Stickney, IL. Contact DARC Hamfest 96, 7511 Walnut Ave., Woodridge, IL 60517.

SATURDAY, AUGUST 24, 1996. Hamfest & Computer Expo, Omni Center, Onalaska, WI. 2 1/2 miles north of LaCrosse on Highway 35. Contact: Dick Low, K0JYB, 1520 Namomis Ave., La Crosse, WI 54603. (608) 784-9176.

SUNDAY, AUGUST 25, 1996. Woodstock '96 Hamfest. McHenry County Fairgrounds, Woodstock, IL. Contact: voice/fax (847) 658-1678. e-mail tcrinc@aol.com.

SATURDAY, AUGUST 31, 1996. Hayward Hamfest, Hayward National Guard Armory, 721 North Iowa (Main) St., Hayward, WI. Contact: Namekagon Valley Wireless Association, PO Box 13010, Hayward, WI 54843. Wally Kruk, N9NAO, @ (715) 643-4940, Mary, KB9LFF or John, N9QWH @ (715) 378-2368, or Ed, KB9JPR or Jill, KB9KPL @ (715) 634-8921.

SUNDAY, SEPTEMBER 8, 1996. Hamfest Radiofest Computer Expo, Dubuque County Fairgrounds, Dubuque, IA. Contact: GRARC, PO Box 546, Dubuque, IA 52004, or Loren Heber, (319) 556-5755, Jerry Lange, (319) 556-3050 or Jerry Ehlers, 583-1016. e-mail sheber@mwci.net.

SUNDAY, SEPTEMBER 8, 1996. Bolingbrook ARS Hamfest 96, Inwood Recreation Center, 3000 W. Jefferson ST. (Rt. 52), Joliet, IL. Contact: BARS Hotline at (708) 759-7005 between 6:00 a.m. and 9:00 p.m.

SEPTEMBER 13, 14, 15, 1996. ARRL National Convention at Superfest 96, Peoria Civic Center, Peoria IL. For exhibition information contact: R & B Productions, 7150 University ST., Peoria, IL 61614 (309) 693-9667. Fax: (309) 693-3465. For general information contact: Peoria Area ARC, PO Box 3508, Peoria, IL 61612-3508. Ron Morgan, KB9NW, General Chairman, (309) 692-FEST. E-Mail: Superfest@AOL.com.

SUNDAY, SEPTEMBER 22, 1996. Dane County ARES Early Autumn Swapfest, Madison, WI. At Fast Forward

Roller Skating and Skate Shop, 4649 Verona Road, (Hwy 151/18). Contact Dane County ARES, Inc., 810 Vernon Ave., Apt 4, Madison, WI 53714. (608) 222-3444.

SUNDAY, OCTOBER 13, 1996. Kettle Moraine Radio Amateurs 1996 Computer Fair and Hamfest. Waukesha County Exposition Center in the Forum Building, Highways J and FT in Waukesha, WI. Contact KMRA Swapfest, PO Box 411, Waukesha, WI 53187-0411. Or call Ron at (414) 547-2219 or Andy at 549-0393.

SATURDAY, OCTOBER 26, 1996. Hamfest Minnesota & Computer Expo. St. Paul Civic Center, St. Paul MN. Contact: PO Box 5598, Hopkins, MN 55343. (612) 535-0637.

SUNDAY, NOVEMBER 3, 1996. Fox Cities Hamfest, Starlite Club, Hwy 55, North of Kaukana, WI. Contact: Chad Pennings, N9PRC, 318 E. Brewster ST., Appleton, WI 54911. (414) 954-1229. **SUNDAY, JANUARY 12, 1997.** West Allis ARC, 25th Annual Midwinter Swapfest. Waukesha County Expo Center Forum, Waukesha, WI. Contact: WARAC Swapfest, PO Box 1072, Milwaukee, WI 53201.

SUNDAY, MARCH 9, 1997. SEWFARS SWAPFEST, Waukesha County Expo Center, Waukesha, WI. Contact: SEWFARS, P.O. Box 102, Delafield, WI 53018. (414) 650-0724.

SUNDAY, MARCH 16, 1997. Tri-County ARC Hamfest at the Jefferson County Fairgrounds, Activity Center, Hwy. 18 West, Jefferson, WI. Contact: TCARC, W9MQB, 711 East St., Fort Atkinson, WI 53538. (414) 563-6502 evenings.

See also the back page and flyer ads for additional information on many of these events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Badger State Smoke Signals

**Amateur Radio
Education and Information**

CHAIRMAN: Kenneth A. Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

EDITOR: Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031. InterNet e-mail: smokesigs@baraboo.com

TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$12.00
2 years	(24 issues - save \$2.00)	\$22.00
3 years	(36 issues - save \$4.00)	\$32.00

Special club package reduced rates are available. For information, contact Ken Ebner, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that

month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebner.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebner.

Club, swapfest, and Test Point information should be sent to Ken Ebner.

Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN. This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901. *Badger State Smoke Signals* is incorporated as a Wisconsin non-stock, non-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the November 1995 meetings column for the latest complete listing. The following are additions or changes since that listing.

FALLS AMATEUR RADIO CLUB, INC

The Falls Amateur Radio Club, Inc. meets the last Wednesday of the month at the Bank One building in Germantown, WI at Pilgrim and Mequon Roads. The doors open at 7:00 p.m. and the meeting will begin at 7:30 p.m. !!GUESTS ARE WELCOME!!

YELLOW THUNDER AMATEUR RADIO CLUB (BARABOO)

Days rotate: The meeting dates for 1996 are Jul 16, Aug 14, Sep 12, Oct 15, Nov 13, with the Holiday party scheduled for Friday December 13, 1996. All meetings will be at the Baraboo Civic Center, room 14, unless otherwise noted. Starting time for the monthly club meeting is 7:30 p.m.. The program start time after the meeting is 8:00 p.m., with a one hour limit.

NOTE: We are planning on printing the full club meeting listing in an upcoming issue of BSSS. If your club listing in November 1995 is not correct, contact K9EN at the address on page 2. If you would like your club listed, send the information on your club meeting to K9EN as soon as possible.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

July 06, 1966	Oshkosh, WI
July 06, 1966	St. Paul, MN
July 10, 1966	Marshfield, WI
July 11, 1966	Apple Valley, MN
July 13, 1966	Oak Creek, WI (MRAC)
July 13, 1966	Madison, WI
July 13, 1966	Bloomington, MN
July 13, 1966	Blaine, MN
July 16, 1966	Eden Prairie, MN
July 17, 1966	Milwaukee, WI (MRAC)
July 20, 1966	Loves Park, IL
July 20, 1966	Cottage Grove, MN
July 26, 1966	Eau Claire, WI
July 27, 1966	Eau Claire, WI
	Swapfest
July 27, 1966	Wauwatosa, WI (MRAC)
July 27, 1966	Tomahawk, WI
July 27, 1966	Rockford, IL
	Hamfest
August 03, 1966	Oshkosh, WI
August 03, 1966	Pewaukee, WI
August 03, 1966	St. Paul, MN
August 08, 1966	Apple Valley, MN
August 10, 1966	Blaine, MN
August 10, 1966	Bloomington, MN
August 10, 1966	Madison, WI
August 10, 1966	Oak Creek, WI
August 10, 1966	Redgranite, WI
August 17, 1966	Cottage Grove, MN
August 17, 1966	Loves Park, IL
August 20, 1966	Eden Prairie, MN
August 17, 1966	Rhineland, WI
	Northwoods Hamfest
August 17, 1966	Franklin, WI
	CARS Swapfest
August 21, 1966	Milwaukee, WI (MRAC)
August 24, 1966	Onalaska, WI
	Riverland Hamfest
August 31, 1966	Wauwatosa, WI (MRAC)
August 31, 1966	Hayward, WI
	Hayward Hamfest
September 14, 1966	Appleton, WI
September 21, 1966	Onalaska, WI
October 13, 1966	Waukesha, WI
	KMRA Hamfest
October 19, 1966	Redgranite, WI
November 2, 1966	Menomonee, WI
November 3, 1966	Kaukauna, WI
	Fox Cities Swapfest
November 9, 1966	Marshfield, WI
November 30, 1966	Onalaska, WI
Monthly, 1st Sat.	Racine, WI
	(except January, July & August)
Monthly, 1st Sat.	Oshkosh, WI
Monthly, 1st Sat.	St. Paul, MN Monthly, 2nd Thu.
	Apple Valley, MN
Monthly, 2nd Sat.	Oak Creek, WI
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Bloomington, MN
Monthly, 2nd Sat.	Blaine, MN
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Wed.	Milwaukee, WI (MRAC)
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, Last Sat.	Wauwatosa, WI (MRAC)
	(except December)
Monthly, Last Sat.	Tomahawk, WI
	(January thru October only) Quarterly
	Marshfield, WI
	(Second Saturday every third month.)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

GENERAL RULES

FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Some examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL. Send a 32c/ SASE if you request one from the ARRL. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$6.05 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a

code only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

OAK CREEK, WI

SECOND SATURDAY DATE: 1:00 p.m. at Wauwatosa Savings Bank, 6560 S. 27th St., Oak Creek, WI.

THIRD WEDNESDAY DATES: At 6:30 p.m. at Village at Manor Park, (was Methodist Manor) 3023 S 84th St., (84th & Oklahoma) Milwaukee, WI.

LAST SATURDAY DATES: (except December): 9:00 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact: Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write Milwaukee Radio Amateurs Club, PO Box 25707, Milwaukee, WI 53225.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such as a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Amateur exams: 1:00 p.m. to 4:00 p.m. Commercial exams: 9:00 a.m. to 12:00 noon.

Unless otherwise noted at WMVS-TV studios, MATC Downtown campus in the C building starting at 9:00 a.m. for commercial exams and Amateur exams at 1:00 p.m. the same day. The address is 1036 N. 8th Street, Milwaukee. Enter at the North West entrance of C Building. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take, your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available FCC General Radio Telephone Commercial exams. Fees are \$5.90 for the Amateur Radio exams and \$35.00 for the commercial exams.

MADISON, WI

VE exams are held in Madison every second Saturday morning of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original license and a copy of your license. For exams beyond the novice tests, bring a check for \$5.90, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, N29B

RIVER FALLS, WI

Held in the church basement at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, 234 W Cascade Ave., River Falls, WI 54022.

EAU CLAIRE, WI (W5YI VEC)

Eau Claire Hamfest, Friday, July 26, 1996 evening 7-9 p.m. Saturday, Hamfest Day, 9 a.m. to 1 p.m. All Walk-ins. Contact Carl Searing, W9NW, 1129 Mc Kinley Rd., Eau Claire, WI 54703.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Talk in on 147.87/.27. Inquiries and registrations should be directed to Robert N. Jensen, W0WLN, 5616 Cambridge lane #6, Racine, WI. Telephone (414) 886-8551.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967, or Larry Siebers, KD9IA (414) 730-0967.

MENOMONIE, WI

The Menomonee VEC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonee, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave. On 13 April and 9 November in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WBOKIN;

PEWAUKEE, WI

Kettle Moraine Exam Team. Held at the Pewaukee WCTC Campus Science Building, Room S101. 9:00 a.m. to Noon. Contact Al Johnson, AA7CS. (414) 568-0836.

REDGRANITE, WI (W5YI and ARRL VEC) OUR TEST ARE NO LONGER MONTHLY. The Radio Amateurs of Wisconsin (RAW) club of Redgranite will hold their 1996 test sessions on Saturday, August 10 and October 19. These are held at the Civic Center in Redgranite, 202 Pine River Road, one block from Highway 21. Registration at 0830 sharp, with testing at 0900 sharp. Bring two forms of identification, \$6.50 per test, and two copies of all original documents, CSCEs, Licenses, etc. Breakfast is at the Curve Inn, on highway 21. All are welcome. For further information, please contact Mark Miller, AA9RC at 231-1662 or Terry Witt, AA9BA at (414) 685-5018.

OSHKOSH (OMRO)

The Oshkosh VE Team will administer Amateur Radio exams monthly on the first Saturday. Exams will be given from 9 a.m. until noon at the Omro City Hall. Registration begins at 8 a.m. Walk-ins OK. Bring a good quality photocopy of your original license. The first session will be through W5YI/VEC, and then sessions will alternate between ARRL/VEC and W5YI/VEC. For more information, please call Dick Lemme, KB9FA, at (414) 235-0987, or write Dick at 826 Jefferson Street, Oshkosh, WI 54901.

ONALASKA, WI

On behalf of the Riverland Amateur Radio Club's VE team and Bill Wood, KE9XQ team Chairman, we announce the amateur radio exam schedule for 1996. The sessions will be held at 7 O'clock P.M. at the Onalaska Community Center, 515 Quincy Street in Onalaska WI:

Saturday, September 21st; and Saturday, November 30th.

There will be sessions conducted Friday, August 23rd and Saturday, August 24th at 8 O'clock A.M. at the Onalaska OMNI Center at 7 O'clock P.M. The OMNI Center is located on Riders Club Street in Onalaska, WI. These tests are in concurrence with Hamfest, Computer Expo, and Antique Radio Show held on Saturday, August 24th at the Onalaska OMNI Center.

The Riverland Amateur Radio Club Volunteer Examiner Team is affiliated with the American Radio Relay League. The team is field-stocked, and walk-in candidates are welcome. The team does appreciate advance registration, especially for license exams for the General, Advanced, and Extra classes. We will allow a retest on a time available basis, provided a second exam fee is paid. We use multiple choice format answers for the Morse Code exams.

For further information or to preregister for an exam session, please call Bill Wood, KE9XQ at (608) 788-8571. You may also contact Karl Simonson, KB9EQI at (608) 526-9413 or via packet: KB9EQI@AA9AW.EN43KM.WI.USA.NA

CEDARBURG, WI - ORC HAMFEST

EAU CLAIRE, WI - ECARC HAMFEST

GREEN BAY, WI - ARES HAMFEST

HAYWARD, WI - HAYWARD HAMFEST

KAUKAUNA, WI - SWAPFEST

MANITOWOC, WI, LAKESHORE HAMFEST

MARSHFIELD, WI - HAMFEST

OAK CREEK, WI - SMARC HAMFEST

RACINE, WI - RACINE HAMFEST

RHINELANDER, WI - NWARC SWAPFEST

ROCKFORD, IL - RARC HAMFEST

ROTHSCHILD, WI - WVRA HAMFEST

SOUTH MILWAUKEE, WI - SMARC HAMFEST

STEVENS POINT, WI - CWRA SWAPFEST

WAUKESHA, WI - KMRA SWAPFEST

WAUKESHA, WI - MIDWINTER SWAPFEST

DUBUQUE, IA - HAMFEST

See the Swapfest column for additional information and contact persons.

GREAT RIVER AMATEUR RADIO CLUB

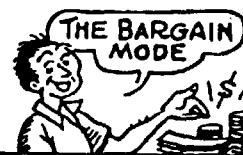
DUBUQUE, IOWA - ARRL/VEC

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact: Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. Or call Carl at 319-557-9149. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.



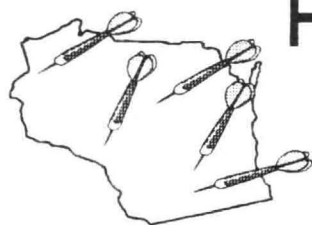
SSB

SELL SWAP BUY

OUR WANT ADS GET RESULTS

WANTED: MICROPHONES. Kenwood MC50. Also any microphone that will fit A Kenwood TR7400A. Contact Bob Johnson, WB9EIW at (608) 742- 6460, or n6664 Fawn Circle, Pardeeville, WI 53954, or E-mail at bjohn@peoples.net.

FOR SALE: Yaesu 747-GX FM, good condition, \$500.00 firm. Pyramid 35 amp gold series power supply, like new, \$100.00. Phantom 500 watt dual power 10 meter amplifier, \$200.00. or \$700.00 for all. Call (608) 647-7112, ask for Jeff.



HERE and THERE

Vanity (flood)gate 1 opens to enthusiastic response

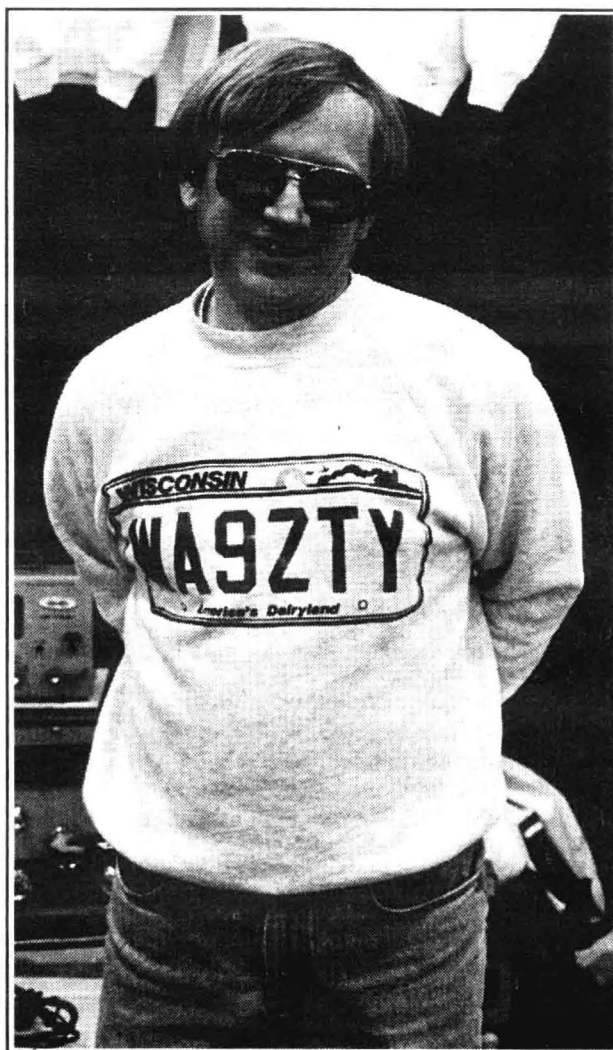
Thanks to the new vanity call sign program, W4KFC - the former call sign of the late ARRL President Vic Clark - will again grace the airwaves. On June 7, the FCC issued W4KFC to Vic Clark's son Ken. The younger Clark, who lives in Centreville, Virginia, was formerly K4OKZ. Vic Clark served as ARRL President from 1982 until his death in 1983. Vanity Gate 1, which permits licensees to get back former individual or club call signs or the former call sign of a deceased close relative, opened May 31.

The FCC reports it received 371 first-day applications and nearly 700 the following day. By June 10, the Commission had nearly 1700 applications in hand. Some folks apparently jumped the gun, however. The FCC reports 85 applications were filed too early. These had to be returned to applicants for timely resubmittal. A handful of applications have required special handling by the Commission.

The FCC's Larry Weikert said the vanity call sign program has not been without its problems. Some of the more common ones: The license of a deceased ham is still in the FCC database, since no one has properly requested that the license be canceled. Item 6 on Form 610V also has been a problem area. Some applicants are failing to show their current valid call signs. Other applicants are not selecting one of the choices in Item 7B. For example, they're writing "son" when the correct response should be "child."

In addition, "we have had some that applied when their gate is not yet open, or they are applying for a Group A call sign and they are only a General class," Weikert reports.

Gate 1 remains open for applications indefinitely. The FCC has not yet announced opening dates for the



Rob Hummell, WA9ZTY, was busy at the Madison Swapfest selling those famous and colorful Wisconsin license plate call letter T-shirts he makes. Here, Rob serves as his own model. If you're interested in getting one for yourself, drop him a note.

other filing gates. (Since this announcement, the opening date for Gate 1A has been determined. Please see page 21.)

- The ARRL Letter, 6/14/96

SECTION MANAGER'S NOTES



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221



Like picnics? Try the Marshfield Area ARS annual picnic on August 4, starting at 11:00 a.m. in Wildwood Park near Marshfield.

Enjoy the August 17, Northwoods Hamfest at Sugar Camp Town Hall, 13 miles north of Rhinelander, ask NS9Q for details.

Or, also on August 17, check out the CARS Swapfest, at Crystal Ridge Ski Lodge, 76th and Loomis in Franklin, with a large tailgate selling area, says N9EOZ.

Then on August 24 is the Riverland ARC Hamfest and Computer Expo with Antique Radio Show, at the Omni Center in Onalaska just north of LaCrosse, with free parking and good food, info via K0JYB.

Next on August 31 is the Hayward Hamfest at National Guard Armory in Hayward, sponsored by the Namekagon Valley Wireless Assn, per KB9-LFF.

W9CBE has WAZ, DXCC-226 and is NTS Digital Station.

New officers Milwaukee RAC: pres W9PWG, vp WB9BWP, secy WB9LNU, treas W9MOT.

New officers WI Assn of Repeaters: pres WA9JOB, vp KB9ENO, secy KF9CS, treas WB0WOT.

Need info about coordinating or re-coordinating repeaters? Ask Wisconsin's Frequency Coordinator N9UNR for help and answers.

Exams: August 3 Pewaukee and Oshkosh; August 13 Oak Creek, Madison and Redgranite; August 17 Rhinelander and Franklin; August 21 Milwaukee; August 24 Onalaska; August 31 Hayward, Wauwatosa and Tomahawk.

Activity of the month: Have your club appoint license class committee members and then the club PIO should garner local publicity for classes - contact newspapers, radio, local public access channel on CATV.

Thought of the month: *Persistence prevails when all else fails.* □

EAU CLAIRE AMATEUR RADIO CLUB SWAPFEST

*New Location*New Location*New Location*

Eau Claire County Fairgrounds
Eau Claire, WI.

SATURDAY JULY 27, 1996 from 7:30am to 2:30pm

*FREE PARKING

*FREE COFFEE

*DOOR PRIZES

*COMPUTER EXPO

*LUNCH AVAILABLE
ON GROUNDS

*ADVANCE SETUP
FROM 5PM FRIDAY

*BUILDING SECURITY
FRIDAY NIGHT

*COMMERCIAL
EXHIBITERS

*RAFFLE PRIZE
DRAWING 1:30PM

*1ST PRIZE
YAESU FT-530
DUAL BAND HT

* 2ND PRIZE
ICOM 2000H 2M 50W

INFORMATION AND RESERVATIONS
N9TUA Carol Ceraso N9EQR Liz Searing
(715) 723-9205 (715) 834-1303

Eau Claire ARC
P.O. Box 1867
Eau Claire, WI. 54702-1867

W5YI VEC EXAMS
Friday July 26 7-9PM
Saturday July 27 9AM-1PM
all walk-ins
W9NW (715) 834-1303
for information

TICKETS

Admission	\$ 5.00
(includes 1 raffle ticket)	
Raffle Ticket	\$ 1.00
Tables (non-com)	\$ 5.00
Tailgating(non-com)	\$ 5.00
Tables (commercial)	\$10.00

NEW LOCATION

- * Eau Claire County Fairgrounds just south of I-94 at the Hwy 93 Exit
- * From Rice Lake - 53s to Hwy 93s at Eau Claire, Hwy 93s to fairgrounds
- * From East or West - I-94 to Hwy 93s Exit
- *Talk-in on 146.31/91 Repeater*

The Best of Beasley

By Robert Beasley, K6BJH

*"Oh, to see ourselves as
others see us.."*

A wacky view of Amateur Radio through the eyes of a very clever cartoonist (his original works appear here in BSSS). The cartoons in "The Best of Beasley" were originally published in *Worldradio*. A great gift for a fellow amateur. 112 pp. \$8.00 plus \$2.00 shipping and handling. (\$4.00 for non-US ZIP air delivery.) CA residents add tax. Order from Worldradio Books, P.O. Box 189490, Sacramento, CA 95818.

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- Saves your Battery Pack

7⁹⁵
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stations, field offices

As part of a previously announced restructuring of its Compliance and Information Bureau, the FCC has closed 12 HF spectrum monitoring stations and six district offices, effective May 29.

The monitoring stations shut down were in Belfast, Maine, Powder Springs, Georgia, Vero Beach, Florida, San Juan, Puerto Rico, Allegan, Michigan, Kingsville, Texas, Grand Island, Nebraska, Anchorage, Alaska, Douglas, Arizona, Livermore, California, Honolulu, Hawaii, and Ferndale, Washington.

District offices closed were in Buffalo, New York, Norfolk, Virginia, Miami, Florida, Houston, Texas, Portland, Oregon, and St Paul (Maplewood), Minnesota.

The FCC says "a downsized professional staff" will remain in Buffalo, Norfolk, Miami, Houston, Portland, St Paul, Anchorage, Honolulu and San Juan.

The FCC is replacing its HF monitoring stations with "advanced, automated equipment" that will remotely control monitoring sites from an operations center in Maryland. The FCC also plans to install a nationwide toll-free call center, and service is scheduled to begin on a regional basis this month. Until the nationwide toll-free service is available, the FCC says people may call one of the remaining district offices for assistance. Here's a list of service facilities for localities where FCC offices have been closed:

Allegan, Michigan: Detroit District Office, 810-471-5924, Anchorage, Alaska, Ferndale, Washington, Portland, Oregon: Seattle District Office, 206-821-9037. Belfast, Maine: Boston District Office, 617-770-4023. Douglas, Arizona: San Diego District Office, 619-467-0549. Grand Island, Nebraska, Norfolk, Virginia: Kansas City District Office, 816-353-3773. Honolulu, Hawaii, Livermore, California: San Francisco District Office, 510-732-9046. Houston, Texas, Kingsville, Texas: Dallas District Office, 214-235-3369. Miami, Florida, San Juan, Puerto Rico, Vero Beach, Florida: Tampa District Office, 813-348-1508. Powder Springs, Georgia: Atlanta District Office, 770-279-4621. St Paul, Minnesota: Chicago District Office, 847-298-5401.

Individuals needing FCC forms or other documents should call the FCC's Forms Distribution Center at 800-418-3676.

- ARRL Bulletin ARLB038, 6/12/96

Got an Internet Address?

Badger State Smoke Signals will publish Internet addresses of radio amateurs in the near future. Dave Knaus, WA9POV, is compiling the list. We also will list Wisconsin area club Web pages.

Send your name and call, and your Internet address - and your club's Web page info - to:

wa9pov@execpc.com

The listings will be sorted by (most likely) call sign.

- Editor

Field Day photographs

When your club's Field Day score goes to the ARRL, don't forget to include some photos. And, we would ask that you remember BSSS with a few pictures, too. TRY to send pix that tell a story; no "this is a camper truck" shots. OK? OK. We'll all be anxiously waiting to see your faces, rigs, and picturesque locations. And thanks!

LAD-ARTS, INC.

1228-12TH AVE S

PO BOX 433

ONALASKA, WI 54650-0433

608-783-8211

MANUFACTURERS:

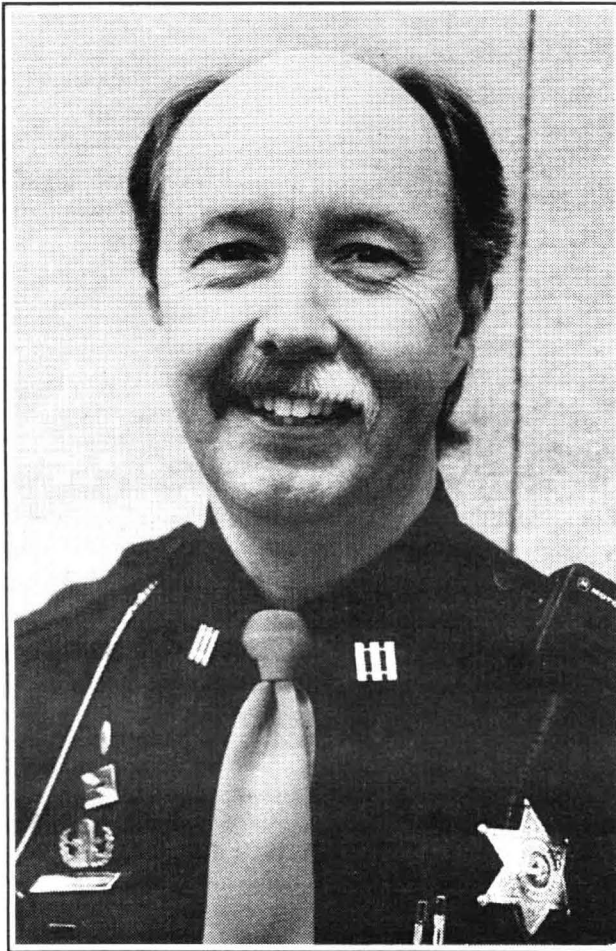
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Antenna wire
Connectors

Resistors
Diodes
Capacitors
Transistors
IC's
Many others

Maybe in the Movies



Dane County Sheriff's Deputy Garvin Anderson, above, is a familiar sight to Madison Swapfest attendees. He works security for the event each year, and may become an even more familiar sight to those who see the thriller "Chain Reaction", due out this summer. He played an extra part in the film as - you guessed it - a policeman in pursuit of Keanu Reeves and Reeves' girlfriend in scenes shot near Lake Geneva. Exactly where in the movie those scenes will appear is unknown, since films are not shot in sequence. Garvin's mustache is two-colored all by itself; it didn't have any help to be light on one side and dark on the other. See you next year at the 'fest, Garvin - and hopefully in the movies this summer.

- Photo by Jim Romelfanger/K9ZZ

Ol' Sol is spotless again

Sun watcher Tad Cook, KT7H, says there is very little solar activity to report! There was an eight-day run of no visible sunspots at the end of May, but activity has picked up slightly since then. Average solar flux is up about two points from the May 23 report. Solar flux is expected to drop down below 70 after today (June 14). It isn't expected to rise above 70 until after the first of July.

Geomagnetic conditions are quiet, but some moderate unsettled conditions are forecast for June 16 and 17. Propagation on the upper bands remains depressed. As we move toward summer, 160 and 80 meters are getting noisier. Check 30 and 40 meters during the night for worldwide propagation and 20 meters during the day.

Sunspot numbers for May 30 through June 5 were 0, 0, 11, 11, 13, 23 and 28, respectively, with a mean of 12.3. The 10.7-cm flux was 66.5, 68, 68.5, 68.2, 69.1, 69.2, and 70.7, respectively, with a mean of 68.6.

- The ARRL Letter, 6/14/96

On the Lighter Side

By Bob Beasley, K6BJH



W9EIE's Cuca Records: Back Again with CDs and Tapes

Through the 1960s and early 1970s, Jim Kirchstein, W9EIE, owned and operated a



recording studio in Sauk City. From that relatively short period came a huge catalog of recordings, including the largest library of ethnic music, particularly polkas, in existence. Rock and roll and rhythm and blues also were recorded there. Fans of rock and roll and whatever else hit *Billboard's* Hot 100 will remember Mule Skinner Blues, originally recorded just as Cuca Records was getting into the business. That song was leased to Soma Records in Minneapolis, re-recorded, and it spent 13 weeks on the Hot 100.

A lot of other kinds of music were recorded as well, including jazz and genuine, acoustic "hillbilly". Some of those recordings have been reissued on CD and are available by mail. One is "The Best of Doc DeHaven," which includes his Chicago-style jazz, and recorded through the 1960s. Another CD, by the talented trio "The Goose Island Ramblers," is available as well. The famous "Oscar's Cannonball" is on the CD. The Ramblers also performed live at Madison's Barrymore Theatre two years ago, and a tape is available of that performance. It's called "There's No Norwegians in Dickeyville".

There is also a CD of some of the better rock and roll being planned, but it is not yet finished.

Why "Cuca"? It's Spanish for "Ruth," one of W9EIE's relatives.

(If you're interested in some of the best that came from the studio, you can order by mail. CDs are \$15.00, tapes \$10.00, postpaid from Cuca Records, 3830 Hwy. 78, Mt. Horeb, WI 53572.)

BADGER STATE SMOKE SIGNALS

Subscription Form • Regular Individual Subscription Rates

1 Year: \$12.00 • 2 Years: \$22.00 (save \$2.00) • 3 Years: \$32.00 (save \$4.00)

PLEASE PRINT!

Name: _____ Call Sign (if any): _____

Address: _____ City: _____ State: _____ ZIP: _____

☐ 1 Year ☐ 2 Years ☐ 3 Years ☐ New ☐ Renewal

Send this form, with your check or money order, to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, WI 53913-0337. Please do NOT send cash!

July 1996

The Computer Corner

By Stan Kaplan, WB9RQR
105 Martin Drive
Port Washington, WI 53074-9654
(414) 284-9346
WB9RQR @ N9PBY.EN63BI.WI.USA.NA
SKAPLAN @ POST.ITS.MCW.EDU

No. 33: TURN OFF THAT FILTER

Rich Regent (K9GDF, our retiring ARRL Section Manager), sent me a "puzzlement" recently with a request for an explanation. The situation involves sending e-mail messages with attachments. According to Rich, attachments are files such as WordPerfect documents or Lotus documents that ride "piggyback" along with an e-mail message. The recipient removes the attachment from the message, and then loads the attachment with the appropriate program for viewing or further processing. The problem is that some folks get the attachment garbled, while others have no problem. Rich claims that there is something in the vendor's communications that encrypts or scrambles the attachment.

While the vendor's (Exec-PC or other source of your e-mail messages) communication program could certainly be the culprit, it is not likely. Rather, your own communication program is probably the source of the problem.

When e-mail is coming down the phone line into your modem, your communication program examines each character as it is received. If the character is a letter, number or common symbol (a-z, A-Z, 0-9 or a punctuation mark), there is no problem. These are the standard ASCII (American Standard Code for Information Exchange) characters, numbered in the decimal system between 32 and 127. The characters below 32 (0 through 31) are standard ASCII control codes, which signify such things as a carriage return, form feed, and so on).

Let's examine a couple of the standard ASCII characters (only a few, though, because a complete table would take too much space). Here they are, in decimal and binary:

ASCII CHARACTER	DECIMAL VALUE	BINARY VALUE	DEFINITION
^G	7	00000111	(rings a bell or beeps)
space	32	00100000	(same as touching spacebar)
,	44	00101100	(comma)
7	55	00110111	(the number seven)
?	63	00111111	(question mark)
A	65	01000001	(capital A)
a	97	01100001	(lower case a)
z	122	01111010	(lower case z)
~	126	01111110	(tilde mark)
del	127	01111111	(same as touching delete key)
Ç	128	10000000	(extended ASCII character)
ü	129	10000001	(extended ASCII character)
ç	135	10000111	(extended ASCII character)

Look especially at the binary representation, which as I have said in previous articles, can be thought of as a series of 8 on/off switches, numbered as shown in the column head. Each character is represented by 8 zeros and ones. A one can be thought of as a switch that is ON, while a zero is a switch thrown to the OFF position. Note that not one of the standard ASCII characters (those up to decimal 127), have a one in the 8th (leftmost) position of the binary representation. They all have zeros in that position. Only the extended ASCII characters (beginning at decimal 128 and up) have the 8th "switch" in the ON position. Note also that Control-G (^G, bell) and decimal character 135 are exactly the same, except that 135 has the 8th bit on.

Many BBSs that communicate only in standard ASCII tell you to set your communications software parameters to 7 data bits, no parity, one stop bit (7,N,1). What that means is that the 8th data bit will be ignored or always treated as a zero. Given those settings, if the BBS sends you a decimal 7 ASCII character followed by a decimal 135 extended ASCII character, the eighth bit will be considered a zero and you will hear two beeps from your computer. Since the eighth bit is considered zero, both characters will be interpreted by your communications program as a decimal 7, the control character known as BEL because it rings a bell (actually, it causes a beep). On the other hand, if your settings were 8, N, 1, you would hear a single beep and the funny looking character ç would appear on your screen. In this case, the eighth bit has not been ignored and the two characters are interpreted as two different characters.

Well now, how the heck does that apply to a garbled word processing or spreadsheet file? The key is that all true word processors (WordPerfect, WordStar, Microsoft Word, etc.) and all spreadsheet programs use the 8th bit for their own purposes. For example, in WordStar, the lower case letter d is represented normally, unless it is the last letter in a word. In that case, it is represented by decimal character 228, which comes out on the screen as the Greek letter sigma (Σ) when viewed from DOS. However, when viewed in WordStar, it looks like a perfectly fine letter d at the end of a word (as in the d at the end of the word: word).

Has the light bulb gone on in your head? Of course! Any communication program that filters out that 8th bit will turn a word processed document or spreadsheet document into gibberish. How to fix it? Make sure your

Comment Flood Continues

Continued from front page

IWG-2A, and other IWGs as appropriate, and will continue to do so," he replied. "Our 'campaign' is not to 'protest' the work being conducted in IWG-2A. Rather, it is an educational campaign."

Meanwhile, the FCC's Cecily C. Holiday--who's director of the WRC-97 Preparatory Team--expressed assurances to the Amateur Radio community that "no amateur bands have been selected for reallocation." In a June 5 letter to Sumner, she said the list of bands generated at the IWG-2A's May 7 meeting "represent only the IWG-2A's initial efforts to study spectrum use below 1 GHz in order to assess the feasibility of proposing world-wide MSS allocations in that range." She called the proposals "only the initial component of a long-term effort to conduct sharing studies before submitting the Committee's proposals to the Commission for review."

Holiday said that, before recommending preliminary proposals for consideration by the Commission, IWG-2A participants "must first conduct sharing studies among a range of services using frequencies below 1 GHz" to find out if it's feasible to share among services and to recommend specific frequency bands. Holiday said that all written and electronic comments from Amateur Radio operators received at the Commission have been included as part of the public record on WRC-97.

The complete text of this correspondence is available on the ARRL Web Page, <http://www.arrl.org>. Click on "Band Threat News" for the latest word.

Radio Amateurs of Canada (RAC) also has called on Canada's 47,000 hams to support the League's initiative by sending their comments to the RAC rather than directly to a government body. The RAC will have a representative on the Canadian WRC-97 Conference Preparatory Committee. The RAC has promised it "will place strong technical, political, social and economic argument in opposition to the use of Amateur bands for this ill conceived attempt at an incompatible shared service." RAC President Farrell Hopwood, VE7RD, and Vice President Jim Dean, VE3IQ, are coordinating response to the threat north of the border.

The ARRL Letter, 6/14/96

SAR: A new 70-cm occupant?

In a development unrelated to the commercial "little LEO" proposal to share 2 meters and 70 cm, AMSAT News Service reports that NASA (JPL) plans to launch a Synthetic Aperture Radar (SAR) on a satellite to be placed in a 400-km orbit. The SAR would operate in the 400-470 MHz range. The choice of this part of the spectrum is reportedly due to the radar's ability to penetrate foliage and desert. Word has it that they plan to seek access to the 430-440 MHz band. The proposed NASA radar will reportedly result in a very high-power flux density at the Earth's surface and could cause interference to amateur operations if the radar transmissions were to be continuous. This appears not to be the plan, however, based on recent correspondence between ARRL and JPL.

JPL claims that the imaging radar proposed will transmit only over land with a typical 1 to 5-minute "on" period followed by a 10-minute "off" time. These on-off cycles will be active mainly over dry land masses and woody biomasses, but rarely over populated areas. The proposed single-satellite NASA/JPL system won't fly before 2001. NASA and JPL claim that the short duration of the active transmissions and the on-board antenna directivity (the main beam, pointing sideways, will illuminate a given point in the Earth's surface for less than 2.5 seconds) will result in an insignificant probability of continuous harmful interference to the Amateur Radio service.

In another, similar proposal, the Netherlands Agency for Aerospace Programs was reported to have submitted a request for a frequency allocation for an "Earth Exploration Satellite" within the 400-470 MHz Band. This was presented and discussed in December at a meeting of the Space Frequency Coordination Group. The Netherlands government requests an allocation of at least 3.5 MHz of bandwidth in the frequency band 400-470 MHz. The footprint of the satellite antenna will be (83 km by 83 km. This report assumes a satellite altitude of 750 km, which, they calculate, would illuminate a given location on Earth for about 13 seconds while the satellite passes over. The report claims the number of times an Earth station would experience interference from the SAR depends on the station's latitude, but would only be about nine times a year.

The Netherlands SAR would operate in a burst mode having a duty cycle of 30% (0.4 seconds on, 1 second off) with a peak power of 760 W and an antenna gain of 28.7 dB. Linear frequency modulation pulse compression (chirp) would be used. Based on these parameters, the report calculates the peak power flux density as -75 dBW/m² in its 3.5 MHz bandwidth (-87 dBW average).

ARRL has asked AMSAT to assess the interference potential to and from the amateur satellite service that might result from both of these proposed satellite radars.

- AMSAT News Service in The ARRL Letter, 6/14/96

communications parameters are set to 8, N, 1 - not 7, N, 1. Some communications programs also have questions in English that ask something like: "Strip the 8th bit?". Answer NO. Others have what they call a translation table, which translates a character with the 8th bit on to another, standard ASCII character. Make sure you turn the "Translation Table" to OFF. All or one of these steps should cure your garbled attached files.

Thanks to K9GDF for asking a question that was the basis of this month's article. Maybe YOU have a question that might lead to the same result. Let me know. Happy computing!

Reprinted, by permission, from the ORC Newsletter, Ozaukee Radio Club, P.O. Box 13, Port Washington, Wisconsin 53074 (Skip Douglas, KA9DDN, Editor).

Six Meter Skip Season Begins Early!

Milwaukee area 50 MHz operators have been treated to an earlier-than-usual summer "E-skip" season this year, and it came on the heels of an unusual number of 6M openings to southeastern Wisconsin during March and April.

On March 20, MRAC member Rick Kissell, WB9GYT, worked stations in Maryland, Pennsylvania and Texas with 100W from his Kenwood TS-60 and a 21-foot-tall Diamond brand ground plane. On April 13, Rick QSOed stations in Florida and South Carolina. Between May 7 and May 19, Town of Waukesha 6M "superstation" WA9SDA (Ronn Ross), who operates sideband with Japan Radio Company JST-245 (150W output) to a 5-element KLM yagi at 115 feet, worked stations in Alabama, Colorado, Florida, Georgia, Illinois, Louisiana, Maryland, Montana, New Jersey, New York, North Carolina, Oregon and Virginia. "The 50.125 MHz SSB calling frequency gets to be a real madhouse during band openings," Ronn noted. "I wish people would remember to QSY after making the initial contact."

But all that was just a hint of several weeks of 6M openings that began in earnest on May 20, when the squelch on many a local 6M rig was broken by 59+ signals from W5FF near Santa Fe, New Mexico. That same evening, Rick, WB9GYT, enjoyed contacts with Maryland and Texas, and Ronn, WA9SDA, made QSOs with stations in Colorado, Florida, Louisiana, Maine, Montana, New Mexico, Ohio, South Carolina, and AA1A/MM (maritime mobile) in the harbor of Galveston, Texas.

During the last half of May, 50 MHz ops in southeastern Wisconsin copied a number of CW beacons from New Brunswick, northwestern Quebec, Kansas, Louisiana, and Texas.

During the same period, WB9GYT logged contacts with dozens of stations on SSB and CW in Arkansas, Colorado, Connecticut, Georgia, Idaho, Louisiana, Maine, Massachusetts, Mississippi, Montana, New Brunswick, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Nova Scotia, Oklahoma, Ontario, Quebec, South Carolina, Texas, Vermont, Virginia, West Virginia, Wisconsin, and Wyoming.

It was during this time that the VHF DX reflectors on the Internet starting carrying reports of WIs and VEIs working into Europe and northwest Africa on 6 meters. There was even one report of a Minnesota station working Europe. Ralph Doll, N9LAD, who runs 100W from a TS-60 to a three-element Cushcraft yagi on the roof of his Oak Creek garage, noted that KE4SIX checked into the local SSB 6M net on the evening of May 27. "That was quite a surprise, especially his 5 by 5 signals," said Ralph, whose May 6M QSOs were with stations as far away as New Brunswick, Canada and Cape Canaveral, Florida.

The gear used by these stations ranged from classic rigs like the Clegg Venus, the SBE Sidebander 6 and the Heath SB110, to newer radios like the Icom IC-551D, the Kenwood TS-600 and '660, and the Yaesu FT-620B. Probably the single most common transceiver was the Yaesu FT-736R (a satellite-oriented multimode, multiband VHF/UHF rig putting out, 10W on six), followed by the Kenwood TS-60, and the "HF+6" multi-band transceivers from Icom, Kenwood, and Alinco. A couple of stations used HF transceivers and the new 6M transverter from Ten-Tec. Among them was Mark Kachel, N0OKS, in Whitefish Bay, who uses a Ten-Tec Argonaut and the Ten-Tec transverter to

provide 8W to a roof-mounted 6M loop. That setup enabled him to work Louisiana, Texas, and Vermont. "I worked 14 new grids in May with that setup," noted Mark. "It's an interesting band and it's fun to be on. It's great-- it opened at 10 a.m. and stayed open most mornings for an hour or two."

One local 6M op commented that "you can really see the impact of the newer rigs on 6M band occupancy. I worked a lot of 'new-to-six' ops who were using the Icom IC-706. On the other hand, I also worked stations in Colorado Springs and northern Texas who were using the new 10W 6M transceiver kit from MFJ with dipoles at very low elevations. One of them, Marty, KB9NNW, in West Allis, was working people as far away as Mississippi using that MFJ 9406 and a dipole strung up in his living room!"

Among those with a new IC-706 is local 6M veteran Bob Immekus, W9CYI in Fox Point, who worked British Columbia (VE7), Quebec (VE2), Maine, New Hampshire, Rhode Island and "the only active VHFer in grid square DM 88" (Olney, CO). Bob uses a quarter-wave ground plane mounted 17 feet above ground.

"I guess the most frustrating moments for me on 6M this month (May) were hearing but not being able to work Alberta, the Bahamas, and Mexico," said Rick, WB9GYT. "I tried raising Mexico or Central America by calling CQ in Spanish in the DX window, but I only raised a few Canadians and a number of excited Texans who couldn't understand why they were hearing Spanish with their beams pointed north."

"The signals were unbelievably strong at times," he said. "I worked N9JR in Wauwatosa on CW, followed by W2TF in New Jersey and NG1G in southern Vermont. I then heard a 'QRL?' so strong that I thought it was N9JR again-- but it turned out to be VD2AWR near Quebec City!" Rick said. "The best moment was calling CQ on an apparently dead band and having VELJC in Yarmouth, Nova Scotia immediately come back to me with a 'five-nine plus plus' signal report. You should have heard the bedlam break out on the frequency when I finished with that one."

Burt Steingraeber, N9VBI, who uses a FT-736R to a Diamond brand 6M/2M/440 tri-band vertical on the roof of his 1 1/2 story home in West Allis, racked up 36 QSOs on 6M in the space of only four hours on May 28. "It was a helluva night," he said. "I worked 19 different grids that evening, all up and down the east coast." That same night, Ken Boston, WF9X, in Washington County worked Oregon and Washington state. "The MUF (Maximum Usable Frequency) went so high that 2M SSB operators were working from Minnesota to Florida," Ken noted.

The local SSB six meter net meets Monday and Thursday evenings at 9 p.m. on 50.160. There is a possibility that local 6M ops will get together for a social gathering this summer. For further information, call Rick, WB9GYT, at 643-8039.

For further reading, see *Six Meters: A Guide to the Magic Band* by Ken Neubeck, WB2AMU. It was published a few years ago by *Worldradio* magazine, and is available for \$14 (postpaid) from: Worldradio Books, P. O. Box 189490, Sacramento, CA 95818.

(This article was first published in *Hamateur Chatter*, of the *Milwaukee Radio Amateurs Club*. The author has specifically requested to not be given a byline.) □



Ask Elmer

Q. What is the largest set of news groups on Internet?

A. Computer Topics is the largest of the news groups.

Q. Where did the term Gopher originate?

A. A gopher is the mascot of the University of Minnesota where Internet Gopher was developed.

Q. Are floppy disks sensitive to fingers?

A. Yes, don't touch the disk surface, it is easily contaminated. So even a fingerprint can cause errors. Also, on a dry day a finger could have enough electrostatic charge to permanently damage the data.

Q. What does IMHO mean on the Internet?

A. It means In My Humble Opinion and is used as an abbreviation.

Q. What speed does local internet information travel?

A. Information travels at about 200,000 characters per second.

Do you have a question or a problem? Ask Elmer! Send your questions (no telephone calls, please) to "Ask Elmer," 5003 South 26th Street, Milwaukee, WI 53221. □

From the Old Goat

Jim Romelfanger,
K9ZZ, Editor



We have a few items to cover this month. They are in no particular order.

- **Thank you** to the ManCoRad Radio Club! They had offered a \$65.00 matching donation for upgraded optical scanning software. Sorry to report that no match came, so ManCoRad sent the all the needed funds for the package: \$130.00. We are grateful indeed, as this will make putting the paper together much easier.

Many readers may mistakenly believe this is a big operation. It is not. **Two people** assemble this newspaper each month. Ken Ebnetter, K9EN, who maintains the mailing list and does some of the billing, puts four pages together, while I do the rest. In this issue, that comes to somewhere around nineteen pages.

- Thanks also to people like Lynn Tamblin, K9KR, for getting the Wisconsin QSO Party results to me in time to get them all formatted and pasted. And we can't forget Bob Beasley, K6BJH, for those wonderful cartoons (the ones in BSSS are originals), and the other writers who help make BSSS a lively paper most of the time.

- Thanks to 73 for the nice compliment about the obituary to Silent Key Travis Baird, W9VQD. That compliment really belong to Rich Regent, K9GDF, who wrote that great tribute to a great ham.

- Thanks to John Hennessee, KJ4KB, and Rick Lindquist, KX1V, at ARRL Headquarters, for their support as we tried to have PRB-1 codified as Wisconsin law. The bill went down the hopper, as you know. It will, according to Gary Schwartz, K9GS, be reintroduced when the legislature reconvenes in January. Please remember to thank your assemblyperson and senator for his or her support - if they did support the bill. If they did not, wait until after the elections in November, and then get ready to do it again. No apathy this time, hopefully!

- Hope you had a great Field Day, and that we work you from K9JYX/Railroad Mobile on the Great Circus Train.

- Finally, thanks for your loyal readership. One thing about BSSS: We make an issue of it - every month! □



Try my nice, warm buns!

Bill Hommel, KA9-QFJ, Baraboo, at left, was busy in the food-serving area at the Madison Swap-fest in April. The others in the photo are not known. The "kitchen" does great biz; nothing fancy, but tasty and plenty to eat. No one goes away hungry.

- Photo by K9ZZ



OFFICIAL RESULTS

1996 WISCONSIN QSO PARTY



Sponsored by the West Allis Radio Amateur Club, Inc. • P. O. Box 1072 • Milwaukee WI 53201

Wisconsin Stations

Single Operator - Mobile

CALL	COUNTY	C	S	P	MULT	CW QSOs	SSB QSOs	BONUS PTS	FINAL SCORE	CLUB AFFILIATION
K9DAF *	9	13	28	4	45	153	3	3500	17405	Fox Cities ARC
WB9HRO *	2	15	28	4	47	97	11	1000	10635	Four Lakes ARC
WD9FLI *	8	24	5	0	29	0	164	3500	8256	Four Lakes ARC
WD8DON *	3	19	25	2	46	31	61	1500	7158	Bay Area Wireless Assn
N9JUJ *	9	15	1	0	16	0	173	4000	6768	Watertown ARC
WA9GON *	6	20	12	1	33	14	97	2500	6625	Fox Cities ARC
K9DZG *	10	17	9	1	27	75	0	1000	5050	Yellow Thunder ARC
KB9JIR *	9	14	0	0	14	0	119	1500	3166	Four Lakes ARC
N9LKY *	4	12	7	1	20	0	62	1000	2240	Yellow Thunder ARC
KC9CI *	3	7	1	0	8	0	49	1500	1892	Kettle Moraine ARC
KD9IA	1	5	1	0	6	0	37	500	722	Fox Cities ARC
K9VAL	2	3	1	0	4	0	33	500	632	Four Lakes ARC
KC9AA	1	4	1	0	5	0	8		40	Fox Cities ARC
N9LYV	1	1	1	0	2	0	2		4	West Allis RAC

Multi Operator - Mobile

NE9U *	11	33	13	1	47	37	184	550	17626	Central Wisconsin RA Ops: NE9U, N9BCA
W9IEI	11	22	9	1	32	0	240	5000	12680	Fox Cities ARC Ops: W9IEI, WD9FLJ, N9PRC
KB9FTI	3	8	1	0	9	0	65	1500	2085	Kettle Moraine ARC

Multi-Transmitter/Multi-Operator - Mobile

N9KS *	22	31	30	3	64	351	313	10500	75460	Kettle Moraine ARC Ops: N9KS, N9EZ
KF9SJ	13	24	19	1	44	107	124	6000	20872	Sheboygan County ARC Ops: KF9SJ, AA9RB, N9TCF
KF9GP	10	30	9	1	40	0	202	5000	13080	Green Bay Mike & Key Ops: KF9GP, AA9OO, N9DKH
KC2AK	10	23	3	0	26	0	190	4000	8940	Four Lakes ARC Ops: KC2AK, N9PON
N9HDI	6	23	10	1	34	0	115	3000	6910	Four Lakes ARC Ops: N9HDI, KC9RH

Single Operator - Technician

N9QBU *	Dodge	24	1	0	25	0	93		2325	Fond Du Lac ARC
N9SGG	7	7	1	0	8	0	51	1000	1408	Fox Cities ARC
WA9SZH	1	13	1	0	14	0	31	500	934	Four Lakes ARC
W9NWY	Winnebago	11	1	0	12	0	68		816	Fox Cities ARC
KA9JCP	Milwaukee	8	3	0	11	0	41		451	West Allis RAC
KB9HRQ	Winnebago	1	1	0	2	0	2		4	Fox Cities ARC

Multi Operator - Technician

KB9LYT	Sheboygan	9	1	0	10	0	33		330	SARC Ops: KB9LYT, KB9LTB
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* CERTIFICATE

Single Operator - Fixed

W9XT **	Washington	54	46	5	105	131	460		75810	Kettle Moraine ARC
KB9S *	Pepin	53	44	4	101	194	358		75346	
N9AW *	Milwaukee	54	40	4	98	132	414		66444	W/K ARC
W9WAQ *	Dodge	43	43	6	92	197	298		63664	Watertown ARC
N9AU *	Milwaukee	36	43	5	84	182	318		57288	West Allis RAC
N9CKC *	Dane	42	39	5	86	246	146		54868	Four Lakes ARC
ND9O *	Winnebago	46	37	4	87	192	201		50895	Fond Du Lac ARC
N9FVN *	Lafayette	54	32	4	90	181	196		50220	
WA9TZE *	Milwaukee	46	48	6	100	156	187		49900	W/K ARC

CALL	COUNTY	C	S	P	MULT	CW QSOs	SSB QSOs	BONUS PTS	FINAL SCORE	CLUB AFFILIATION
K0SN *	Marinette	48	36	2	86	206	147		48074	Bay Area Wireless Assn
WA1UJU	Waukesha	49	33	3	85	147	243		45645	Kettle Moraine ARC
WT9Q	Dane	37	33	4	74	274	11		41366	Four Lakes ARC
N9YKT	Marinette	45	34	4	83	120	182		35026	Bay Area Wireless Assn
AA9MP	St. Croix	44	41	4	89	0	380		33820	
NF9V	Milwaukee	17	43	5	65	175	154		32760	Watertown ARC
K9OSH	Waukesha	31	41	2	74	113	170		29304	Kettle Moraine ARC
K3GGN	Ozaukee	25	31	4	60	232	0		27840	Ozaukee Radio Club
AA9OC	Dane	38	26	4	68	152	95		27132	Four Lakes ARC
N9CQQ	Oconto	47	29	3	79	99	140		26702	
AA9BJ	Sheboygan	30	34	3	67	154	78		25862	Sheboygan County ARC
NI9Z	Bayfield	22	35	3	60	204	10	500	25580	Fond Du Lac ARC
W9MSE	Fond Du Lac	30	28	2	60	202	0		24240	Fond Du Lac ARC
KF9AF	Dane	34	36	5	75	0	317		23775	Four Lakes ARC
AA9OL	Dane	41	26	1	68	107	129		23324	Four Lakes ARC
WI9M	Milwaukee	35	35	4	74	73	150		21904	Ozaukee Radio Club
WB9RNL	Columbia	48	29	3	80	18	237		21840	Yellow Thunder ARC
K9ZZ	Columbia	42	26	2	70	59	162	500	20100	Yellow Thunder ARC
N9EAJ	Jefferson	34	31	2	67	109	80		19966	Watertown ARC
KF9HI	Milwaukee	27	33	1	61	69	128		16226	W/K ARC
WW1M	Milwaukee	40	26	2	68	23	180		15368	Kettle Moraine ARC
KE9XZ	Dane	49	15	1	65	0	224		14560	Four Lakes ARC
N9UPU	Brown	47	14	0	61	0	212		12932	Green Bay Mike & Key
K9KR	Racine	41	15	0	56	33	159		12600	West Allis RAC
W9CBE	Dane	32	19	2	53	89	58		12508	
K9QYC	Fond Du Lac	27	20	1	48	110	33		12144	Fond Du Lac ARC
AE9K	Racine	24	26	3	53	105	15		11925	W/K ARC
N9NOF	Brown	41	17	1	59	0	198		11682	Green Bay Mike & Key
KB9FA	Winnebago	47	10	0	57	0	200		11400	
N9EZF	Fond Du Lac	40	18	1	59	0	184		10856	Fond Du Lac ARC
W9KKM	Columbia	29	17	1	47	80	63		10481	
KA9ZPX	Columbia	44	13	2	59	0	166		9794	Four Lakes ARC
KE9ET	Dane	32	26	1	59	0	166		9794	Four Lakes ARC
K9LGU	Calumet	29	12	1	42	78	33		7938	C.A.R.E.S.
N9WAR	Fond Du Lac	30	16	1	47	48	70		7802	Fond Du Lac ARC
WB9AZH	Racine	34	18	0	52	0	150		7800	Kettle Moraine ARC
N9QZD	Outagamie	32	20	2	54	2	134		7452	Fox Cities ARC
WB9QFX	Winnebago	39	11	1	51	0	143		7293	Fox Cities ARC
WD9IAB	Manitowoc	31	11	0	42	74	25		7266	Mancorad
K9WTF	Waukesha	25	22	3	50	0	132		6600	West Allis RAC
KB9DFE	Milwaukee	37	11	2	50	10	102		6100	MSOE ARC
W9YCV	Milwaukee	25	10	1	36	58	50		5976	West Allis RAC
WA0PFV	Racine	35	14	0	49	0	109		5341	Racine Megacycle
K9DHR	Outagamie	39	8	0	47	8	97		5311	Fox Cities ARC
KC9NG	Racine	35	16	0	51	0	102		5202	Racine Megacycle
W9VAJ	Dunn	34	12	3	49	0	97		4753	Red Cedar Rptr Assn
W9FBC	Winnebago	34	4	0	38	15	88		4484	Fox Cities ARC
K9GDF	Milwaukee	14	20	2	36	60	0		4320	W/K ARC
WD9ING	Milwaukee	25	11	2	38	0	107		4066	West Allis RAC
WB9PMF	Chippewa	34	4	0	38	33	40		4028	Red Cedar Rptr Assn
KB9ENO	Outagamie	32	3	0	35	0	114		3990	Fox Cities ARC
W9HR	Kenosha	15	17	1	33	56	3		3795	
WA9YVE	Jefferson	24	5	0	29	0	120		3480	Watertown ARC
AA9AD	Dane	19	13	0	32	52	3		3424	
N9WHR	Kenosha	28	4	0	32	0	98		3136	Racine Megacycle
KA9QLP	Ozaukee	27	14	1	42	0	74		3108	Ozaukee Radio Club
W9GGN	Portage	34	6	0	40	0	75		3000	Central Wisconsin RA
NB9H	Burnett	35	5	0	40	0	75		3000	
AA9RK	Milwaukee	23	5	0	28	0	104		2912	West Allis RAC
N9HR	Jefferson	25	6	0	31	10	70		2790	Watertown ARC
W9LXY	Racine	28	8	0	36	0	74		2664	Racine Megacycle
WF9X	Washington	16	3	0	19	6	127		2641	Kettle Moraine ARC
N9PBM	Outagamie	25	5	0	30	0	84		2520	Fox Cities ARC
NG9V	Dane	21	8	0	29	21	44		2494	Four Lakes ARC
N9PQU	Marinette	15	11	1	27	39	14		2484	Bay Area Wireless Assn
N9WNU	Outagamie	23	3	0	26	0	77		2002	Fox Cities ARC
KA9WAR	Marinette	4	22	1	27	0	74		1998	Bay Area Wireless Assn
WS9P	Racine	15	14	2	31	0	60		1860	Racine Megacycle
K9FHI	Dodge	30	2	0	32	0	58		1856	Rock River Radio Club
WA9VHL	Ozaukee	26	8	0	34	0	52		1768	
AA9IB	Marinette	27	5	0	32	0	52		1664	Bay Area Wireless Assn
KF9ZB	Iowa	26	3	0	29	0	55		1595	Four Lakes ARC
WA9WYI	Washington	12	11	0	23	9	49		1541	Washington County ARC
W9FJE	Milwaukee	25	4	0	29	0	50		1450	West Allis RAC
KF9GZ	Milwaukee	14	8	1	23	0	55		1265	West Allis RAC
WY9L	Fond Du Lac	17	4	0	21	21	11		1113	Fond Du Lac ARC
WA9BPG	Waukesha	16	5	0	21	0	51		1071	Kettle Moraine ARC
N9DMS	Dane	20	3	0	23	0	44		1012	Four Lakes ARC
W9NMP	Portage	1	17	2	20	24	0		960	Central Wisconsin RA
W9PHJ	Kenosha	25	2	0	27	0	35		945	
N9OEN	Milwaukee	13	8	1	22	0	40		880	West Allis RAC
WB9NOV	Dane	9	7	1	17	10	27		799	Four Lakes ARC
AA9HS	Dane	17	3	0	20	5	24		680	Four Lakes ARC
AA9GZ	Marinette	18	2	0	20	0	32		640	Bay Area Wireless Assn
KA9OIL	Racine	15	3	0	18	0	30		540	Racine Megacycle
W9WUU	Dane	6	8	0	14	15	0		420	Four Lakes ARC
WB9BBI	Outagamie	9	2	0	11	0	36		396	Fox Cities ARC
N9VPC	Dane	8	4	0	12	0	21		252	Four Lakes ARC
W9NUE	Waukesha	11	1	0	12	0	18		216	West Allis RAC
KB9JFF	Marinette	12	1	0	13	0	16		208	Bay Area Wireless Assn
KB9CPZ	Waukesha	6	1	0	7	0	25		175	West Allis RAC

CALL	COUNTY	C	S	P	MULT	CW QSOs	SSB QSOs	BONUS PTS	FINAL SCORE	CLUB AFFILIATION
N9TD	Adams	7	2	0	9	9	0		162	Adams County ARC
W9GSV	Milwaukee	3	3	1	7	10	0		140	West Allis RAC
W9NAW	Waukesha	1	7	1	9	0	14		126	West Allis RAC
W9JEK	Dane	4	1	0	5	0	16		80	Four Lakes ARC
N9NUF	Washington	5	2	0	7	0	7		49	Washington County ARC
WB9YCS	Milwaukee	1	4	0	5	4	0		40	West Allis RAC
AA7CS	Jefferson	1	2	0	3	3	0		18	Yellow Thunder ARC
KB9HJN	Waukesha	3	1	0	4	0	4		16	West Allis RAC
W9ODV	Sheboygan	2	1	0	3	0	3		9	Sheboygan County ARC

** PLAQUE * CERTIFICATE

Multi Operator - Fixed

KF9KZ *	Sheboygan	40	37	5	82	107	230		36408	Sheboygan County ARC Ops: KF9KZ, N9TCJ, KB9KMF
AA9PB	Marinette	27	47	2	76	118	205		33516	Bay Area Wireless Assn Ops: AA9PB, KG8CX, KB9IZG
AA9AO	Outagamie	32	40	4	76	54	269	500	29152	Badger Contesters Ops: AA9AO, ND9Z
WK9M	Waukesha	34	34	5	73	72	235		27667	Kettle Moraine ARC Ops: WK9M, KB9AMG
N9TNW	Outagamie	39	16	1	56	0	180		10080	Fox Cities ARC Ops: N9TNW, N9OEQ
KO9Q	Sheboygan	36	20	2	58	22	108		8816	Sheboygan County ARC Ops: KO9Q, N9IOC

Multi Transmitter/Multi Operator - Fixed

KB9EWK *	Brown	28	29	4	61	108	97		19093	Green Bay Mike & Key Ops: KB9EWK, N9TLP, N9TNI, N9TUW, N9VJL, KA9YAW, KB9CGP, KB9JAI
WJ9H	Dane	47	11	1	59	0	173	500	10707	Dane County ARES Ops: WJ9H, N9YJV, NØGAF
W9UDU	Racine	26	18	2	46	0	89		4094	Racine Megacycle Ops: WA9JMO, KF9ZT, N9VNU, N9ZWJ, N9ZWM
N9XOH	Outagamie	25	5	0	30	56	12		3720	Fox Cities ARC Ops: N9XOH, N9ZHS

* CERTIFICATE

USA Stations

CALL	STATE	CW QSOs	SSB QSOs	WISCONSIN COUNTIES	FINAL SCORE	CLUB AFFILIATION
WA5PTI *	AR	0	28	15	420	Kettle Moraine ARC
N7JXS *	AZ	32	23	22	1914	
WU9B	AZ	13	10	15	540	
AB7JX	AZ	0	15	10	150	
W6UQF *	CA	23	16	19	1178	
K6NA	CA	22	0	17	748	West Allis RAC
KE6GTR	CA	8	6	10	220	
KK7K *	FL	98	118	36	11304	
K5ME	FL	61	10	26	3432	
KE4YIU	FL	11	23	15	675	
K9IAC	FL	0	28	13	364	Kentucky Contest Group
KN4QV *	GA	71	5	47	6909	
K4BAI	GA	22	0	14	616	
WB4RUA	GA	17	0	12	408	
NOØZ *	IA	60	0	21	2520	
K9OM **	IL	91	132	48	15072	Mad River Radio Club Saginaw Valley Radio Club
K9UQN	IL	31	57	27	3213	
WA9FNA	IL	0	77	35	2695	
AC4HI/9 *	IN	84	65	43	10019	
K9DIY	IN	44	19	29	3103	
KA1VY *	MA	0	48	21	1008	Gateway Chapter Ten-X Net
W3ABC *	MD	65	6	24	3264	
W3GG	MD	40	13	19	1767	
KD3JA	MD	0	56	23	1288	
AA8AV *	MI	75	121	45	12195	
W8QM	MI	43	21	23	2461	
NØZHJ *	MN	0	42	21	882	
KØYIP *	MO	51	15	33	3861	
NØWM	MO	43	0	18	1548	
NØIZZ	MO	22	0	19	836	
N4UOH *	NC	75	0	33	4950	
AEØY *	NE	46	61	32	4896	
AA1HJ *	NH	72	5	26	3874	
K1BV	NH	61	18	23	3220	
AE2N *	NJ	44	0	23	2024	
W2LRO	NJ	38	2	17	1326	

CALL	STATE	CW QSOs	SSB QSOs	WISCONSIN COUNTIES	FINAL SCORE	CLUB AFFILIATION
NS9E *	NY	24	54	29	2958	
WB2BQI	NY	50	0	28	2800	
W2EZ	NY	38	5	25	2025	
W2HG	NY	27	6	19	1140	
AF8A *	OH	95	55	40	9800	
WA8YRS	OH	51	64	35	5810	
N8NCV	OH	31	6	22	1496	
VE3FRS *	ONT	66	0	31	4092	
VA3TEE	ONT	50	0	25	2500	
VE3WZ	ONT	27	12	18	1188	
WA3HAE *	PA	89	75	42	10626	
N3RJ	PA	81	58	42	9240	
KB3AFT	PA	54	92	33	6600	
K3WWP/QRP	PA	87	0	31	5394	
WB3AAL	PA	56	18	25	3250	
KE3TA	PA	0	72	23	1656	
WA3JXW	PA	29	3	13	793	
N3CZB	PA	19	0	16	608	
KS4DU *	SC	9	2	10	200	
KC5ALW *	TX	104	0	32	6656	
W5NR	TX	16	1	13	429	
WB5FCO	TX	0	17	12	204	
K6XO *	UT	29	25	24	1992	
AB7GM	UT	31	0	19	1178	
W4SNH *	VA	63	0	30	3780	
K4UK	VA	54	7	25	2875	
K4RDU	VA	46	0	23	2116	
KE4PUC	VA	0	40	17	680	
W7OM *	WA	46	27	30	3570	
KC7CLI	WA	1	24	15	390	
KJ8J *	WV	55	30	23	3220	
W7TSM *	WY	47	4	23	2254	
K9YLI	WY	0	24	16	384	

* CERTIFICATE

Club Aggregate Scores • Club Competition

CLUB NAME	SCORE	ENTRIES	WINNER
KETTLE MORaine RADIO AMATEURS ***	284743	11	W9XT
FOUR LAKES AMATEUR RADIO CLUB	251418	23	N9CKC
W/K ARC OF GREATER MILWAUKEE	148815	5	N9AW
FOND DU LAC AMATEUR RADIO CLUB	134955	8	ND9O
BAY AREA WIRELESS ASSOCIATION	130768	9	K0SN
WATERTOWN AMATEUR RADIO CLUB	129428	6	W9WAQ
WEST ALLIS RADIO AMATEUR CLUB	94205	17	N9AU
SHEBOYGAN COUNTY AMATEUR RADIO CLUB	91967	5	KF9KZ
FOX CITIES AMATEUR RADIO CLUB	86745	18	K9DAF
GREEN BAY MIKE & KEY CLUB	56787	4	KB9EWK
OZAUKEE RADIO CLUB	52852	3	K3GGN
YELLOW THUNDER AMATEUR RADIO CLUB	48888	5	WB9RNL
BADGER CONTESTERS	29152	1	AA9AO
RACINE MEGACYCLE CLUB	22837	7	WA0PFV
CENTRAL WISCONSIN RADIO AMATEURS	21586	3	NE9U
DANE COUNTY ARES	10707	1	WJ9H
C.A.R.E.S.	7938	1	K9LGU
MANCORAD	7266	1	WD9IAB
MSOE AMATEUR RADIO CLUB	6100	1	KB9DFE
ROCK RIVER RADIO CLUB	1856	1	K9FHI
WASHINGTON COUNTY AMATEUR RADIO CLUB	1590	2	WA9WYI
SARC	330	1	KB9LYT
ADAMS COUNTY AMATEUR RADIO CLUB	162	1	N9TD

*** PLAQUE

General Comments

As the saying goes, HERE WE GROW AGAIN. 1996 was a **BANNER YEAR** for WQP. The number of entries went WAY UP to a new high of 217. Best ever prior to that was 178 entries in 1994. During the low of the sun spot cycle too. West Allis RAC is very happy to see this fine contest becoming more popular as time goes on. We had 148 Wisconsin entries and 69 from out of state. 27 states and Ontario sent in logs this year.

We would like to again thank the mobile stations who put themselves out providing counties. We would also like to thank the many stations around the USA and Canada who provided additional fun for Wisconsin stations, and hopefully, had a good time themselves.

Before I get to the results, I need to indicate - a lot of the computer generated entries for WQP are VERY LACKING in the information I need for the results. Some of the written ones are even worse. Using the OFFICIAL ENTRY FORM helps a lot, but it needs to be COMPLETELY FILLED IN, FRONT AND REAR. The items I need are: The "number" of counties/states/provinces broken down instead of just MULTIPLIERS indicated; CW/Phone breakdowns; Numbered contacts; and THE COUNTIES, STATES AND PROVINCES TO BE INDICATED SOMEWHERE - SO I KNOW WHICH ONES YOU WORKED. I also have a reoccurring problem with CALLSIGNS, NAMES AND ADDRESSES being ledgeable. It takes a lot of time to pull out all the information needed, when the entry is both readable and complete. When information is missing or unreadable, the task is almost impossible. I guess I can honestly say that I am not yet at the point of rejecting entries because they are not readable or complete, but I will say I am mighty close. The "lack of information" just delays the results being published. What I need is some sort of a clue as to how to solve this. Perhaps

providing an OFFICIAL COMPUTER PROGRAM? I am not complaining. I just need your help.

Our plaque for the best **SINGLE OPERATOR - FIXED** station goes to Gary Sutcliffe, W9XT. He made 131 CW contacts and 460 phone contacts, contacting 54 counties, 46 states and 5 provinces, for a score of 75810, just a scant 464 points above the second place entry. Quite an accomplishment for 7 hours of "fun." Gary is always in the leader group, having last won the 1991 WQP. Congratulations, Gary.

The plaque for the best **OUT-OF-STATE** entry goes to K9OM, Dick Van Zandt, from Illinois. He bettered his last years' winning record with 91 CW contacts and 132 phone contacts, contacting 48 Wisconsin counties, for a total of 15072 points. Congratulations, Dick.

The plaque in the **CLUB COMPETITION** goes to Kettle Moraine Amateur Radio Club. They had 11 entries this year for a score of 284,743 points, which is almost 124,000 more than last year, but not their best effort as a club to date. Congratulations, KMRA.

I need to mention participant effort. Without singling out any one entry, I think that if you look at the number of contacts made by a lot of the entrants, you will see something I will call "dedication." Mobile in 22 counties while making 351 CW and 313 phone contacts is dedication. A lot of entries approaching 200 contacts in 7 hours is dedication. 14 single operator mobile entries - 8 multi op entries is dedication. And on and on. Plus the many other mobiles, fixed stations, county hunters, casual operators, who do not send in logs. I thank you all. WARAC thanks you all. **WITHOUT YOU THERE WOULD BE NO QSO PARTY. THANKS.** See you on the second Sunday of March, 1997, good Lord willing.

*Lynn Tamblyn, K9KR,
for the Wisconsin QSO Party Committee*

Soapbox

Short contest time is good idea - concentrates activity nicely.

- K1BV

Shortly after going to 20 meters a little over an hour into the test, my CQ was answered by WQ7L in UT. This caught my attention, because last year, via the internet, I located a childhood friend, now living in OR and holding the call WQ7R. 2 QSOs later, WQ7R called me! It was quite possibly the first time I've worked Ray since the early 60's.

- WW1M

Great contest! Good band conditions for a change. Heard many stations on 40 CW. 73 C U agn next year.

- WA2BQI

Without a doubt this was one of the best WI QSO Parties - keep up the good work.

- AE2N

I really like this kind of short contest. Had a ball chasing the counties. Picked up 15 new counties. Thanks for all the contacts, see everyone next year.

- WB3AAL

Thanks to all the WI stations who helped me increase my score by almost 4500 points from last year. A big thank you to all the mobiles the year. You guys were out in force! Thanks for the new counties and multipliers. Hope to see you all next year and also in the PA QSO party in October.

- KB3AFT

It was a fun contest as usual. Imagine my surprise and delight when DJ7AA called me on 80 CW! I look forward to the Party in 1997.

- K3GGN

Missed last years test due to college...glad I could make it this year. Great time!!!!

- WA3HAE

Thanks for another great weekend. Glad to hear so many mobiles on the bands. Hope to try 160M next time. See all of you next year.

- N3RJ

Another great contest. Again you are to be commended for having one of the best State QSO parties going. I worked virtually everyone I heard, and most on 3 calls or less. I get nothing but enjoyment from the contest. Please list my call as /QRP. That way other QRPers will be encouraged to give QRP a try.

- K3WWP/QRP

Great contest.

- AC4HI

Nice contest. Happy to hear so many WI stations in just 4 hours. 100W output into a dipole at 45 feet. I used NA9 contest template to score the contest. As you can see the program doesn't load the mults correctly. So I just have to write them in above.

- KN4QV

Hats off to West Allis RAC - good turnout - good ops - enjoyed party - late start - 5 hours - but good fun.

- W4SNH

Second time I've entered this QSO party. Unfortunately missed some of the beginning of the party due to a dinner engagement after church. But conditions were good with strong signals down our way. Wish more mobiles would operate CW.

- K4UK

Thanks for a fine contest. Special thanks to the mobiles, especially N9KS and K9DAF.

- K5ME

Enjoyed the party but WI needs more HF stations in the event. I guess most are on 2M or 10M, with lots of short distance QSOs. GL and hope C U all in 97.

- W5NR

Just wanted you to know I participated. I'm trying to participate more in CW contests. So I'm really proud of my 8 contacts - a beginning for me. Wish I had started earlier on 40 CW - next year.

- KE6GTR

Sorry I could not put in more time! I was in/out of the shack doing honey-do-its.

- W6UQF

Got home late from the swapfest since I was liason for exams. It was too late to try Lapham Peak on 146.52 but I will be interested to know if anyone else took my suggestion.

- AA7CS

Nice contest. I thought there was nice activity for the duration.

- AB7GM

QRP - YES but they were quality contacts.

- AB7JX/QRP

Thanks for the QSO party. I had fun and didn't know this would be such a successful contest. See you all next year.

- KK7K

Had a great time. Wish I could've had more time for the contest. C U in the WA test.

- W7OM

My vote for "favorite rover" goes to N9KS - I worked him from 11 different counties on 40M.

- AF8A

Thanks for a fun Sunday.

- KJ8J

One of these years I'll snag Menomonee, Florence and Iron counties.

- N8NCV

First state QSO party I have been in for a while. Really enjoyed it. I especially liked the 7 hour format. Long enough to spend some time on each band. My abbreviations didn't always match what was being sent - maybe the sponsors can come up with an official county abr list and post it on the internet. (ed note - WE HAVE AND IT IS .)

- WA8YRS

Good test agn, tnx to WA1UJU for logging program - much nicer than by hand - C U next year.

- AA9AO

Great fun again !!... and, yes, N9CZM you'll get your pound of brats for giving me Bayfield County.

- AA9BJ

Enjoyed the contest - it is one of the best - not too long. I intend to work all WI counties some day! C U next year.

- K9DIY

Had a great time but did have a bit of trouble between my "rusty" CW and the frost heaves in the roads.

- K9DZG mobile

Conditions were pretty poor and must have been bad all over. 40M CW stations were crowded together so much that it took a lot of patience (and a good filter) to separate them! Worked more multipliers than ever before from New York state, including a few counties I have never heard on before.

- NS9E

Enjoyed the party - thanks.

- WA9ENA

Of all the WI stations on for the QSO party - why can't they check the Wisconsin phone and CW nets - sure would be nice if they would.

- K9FHI

In Oct 95 Art and I operated mobile in the ILL QSO party. We made 7 counties. The participation in that contest was very poor. I was disappointed for a state that has many more amateurs than Wisconsin. The WI QSO party always has good participation and is a contest that lasts just the right amount of time. Thanks for another fun contest. Thanks to all the mobiles for the multipliers.

- N9FVN

Had fun in this year's QSO party. Decided to do the contest a little differently - I ran QRP. Had a lot of fun with the Index Labs QRP plus.

- WD9IAB

Gets harder every year ! Can't be getting older?? Fun going mobile but darn hard to log. Gotta get the wife interested.

- N9JUJ

Enjoyed the QSO party - most of my Qs were on 2M FM - 146.52 is a mad house - can we do anything to encourage the use of other 2M FM

frequencies?

- KA9JCP

I thought for sure you guys had a QRP class. Was running 5W the whole day. How about having one next year?

- AE9K

This was the best one yet. We saw and worked more mobiles than ever before. The Fox Valley was wild on 2 meters. Thanks to all for their QSOs.

- N9KS mobile

Thanks for sponsoring another great party.

- K9LGU

I was very grateful to receive the beautiful plaque and cheese last year. Thank you.

- K9OM

This is a good contest for those of us with low antennas. Plenty of action without power and towers.

- K9OSH

I could not get my logging program to recognize the mobile stations correctly. They show up as dupes in the print out. Had fun.

- AA9MP

This was the first "mobile" contest any of us worked, took a while to get out of Columbia County, but perseverance saw us thru. Amazingly, Murphy did not raise his ugly head.

- KF9SJ

This was one of the best QSO parties for me. Lots of fun! Everyone should have PEPIN County in the log. See you next year.

- KB9S

Back in the WIQP after a years absence. Still the most fun you can have with a radio in 7 hours. Thanks to the mobiles for putting on the rare counties. Maybe we will have sunspots next year.

- W9XT

Had lots of fun operating and was glad to provide the first Nebraska contact for many of the contestants. I was an active member of WARAC back in the early 60's when I was licensed as WN9IAT and then WA9IAT. I remember operating CW in a few Field Days back then. I'm looking forward to next year's contest.

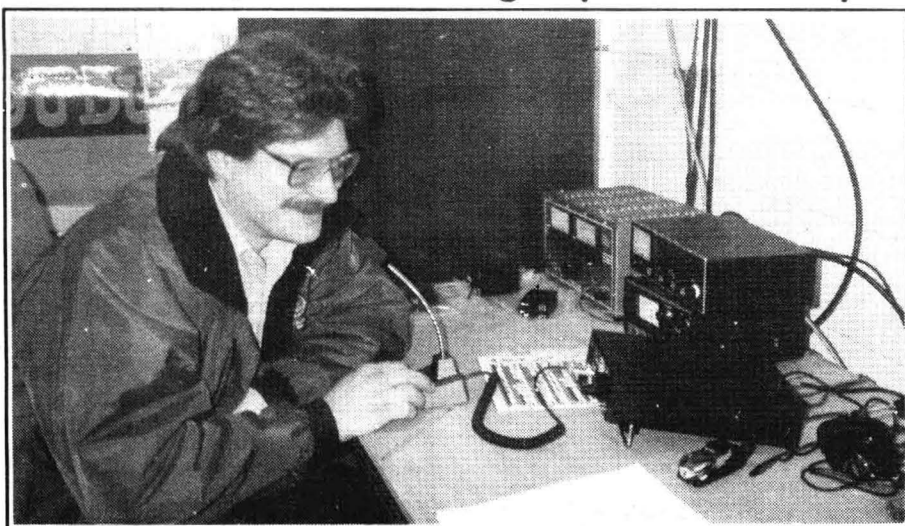
- AE0Y (Bob Arndt)

Hope we gave some WI stations a new multiplier, C U agn next year.

- VE3WZ

Party Photos and Stories

WQP 1996, Racine Megacycle Club Style



Alan, N9ZWJ, manned RMC club station W9UDU during the 1996 WQP.

- Photo courtesy Lee McKnight/N9VNU

Plans were to meet about 11:00 a.m. March 10, at the Red Cross building on Taylor Avenue in Racine to prepare for the Noon starting time. We planned to operate two club rigs, a TenTec Scout using the tri-band beam, and the Kenwood TS-830 using a G5RV wire antenna. Rob, KF9ZT (with the key to the building), and Lee, N9VNU, met at the designated time and place to begin the party. We did some organizing in the Communications Room (or, as the Red Cross would designate it, the storage room), and prepared the Scout for on-air action. While Rob and Dan, KA9OIL, strung the G5RV, Lee cranked up the Scout and began hunting for contacts on the 10, 15, and 20 meter bands.

We were quickly joined by other operators, some who just arrived to view the action, and some who did heavy duty operating. Operators who participated were: Lee, N9VNU, RMC Activities Manager, Rob, KF9ZT, RMC President, Dan, KA9OIL, Tony, N9ZWM (First HF contacts), Alan, N9ZWJ (First HF contacts), Joe, KB9HSJ, Larry, WA9JMO, Robert, N9ZWO. Visitors included Vern and Tim.

During the party we talked to a QRP (5W) operator in Virginia, who was surprised to reach Racine. Tony and Alan, as neophytes, were a little apprehensive

and tentative to begin with, but soon learned the patter: "CQ contest CQ contest W9UDU CQ contest." Tony's dad reported Tony was really excited to be making the far-flung contacts, and Alan's wife Mary, N9ZWE, at the March 11 RMC meeting, said Alan was also really excited when he arrived home from the party. Maybe this experience will push Tony and Alan to upgrade.

We also contacted several of our club members in their own shacks. On our logs were Kenny, N9WHR, Bob, W0WLN, Cheryl, WS9P, and Larry, WA9JMO. Some club members who are also QCWA members were running both the QSO party and the QCWA contest. Other members who participated from their own stations included Rev. Jim, WA0 Pretty Funny Viking, and Dave, KC9NG. During the regular monthly club meeting on the next evening, March 11, Bob, W0WLN, asked why we didn't call "CQ Wisconsin QSO Party" since there were several contests going on simultaneously. Heck, we figured we had a better chance for QSO's if no one knew WHICH contest we were running! In fact, we couldn't complete our QSO with one QCWA member until finally we gave him the local QCWA Chapter 162 number (even though none of us were QCWA members), which satisfied him and he gave us a "73."

Back to the party day. After the excitement wound down and the contest ended, Rob and Lee closed the station, took down the G5RV so the Red Cross would not know it had been up (unless they read this, Lee! - BSSS editor), and packed it back in the club's emergency gear.

All in all, a fun time was had by the RMC members. Hey, it was so much fun, let's do it again next year!

Lee McKnight, N9VNU, RMC Activities Manager
4730 Alcyn Drive, Racine, WI 53402

The WQP from the North Woods

Four or five years ago (the year the QSO Party was on a Saturday), I went to Bayfield County and worked the QSO Party. I used a generator I was not familiar with, and my antenna didn't work well.

This year, my wife talked me into giving it another try. I told her I would try it again, so we both took two days' vacation. On Friday we packed the car and headed north. We stayed at my wife's sister's in Rhinelander, and Saturday morning we started for Bayfield County.

At about 2 p.m., we arrived at my sister-in-law's cabin. No water, no electricity.



Where the critters oft roam: This was NI9Z's "home away from home" for the 1996 WQP.

- Photos courtesy Rick Robinson/NI9Z



Rick, NI9Z, after getting the cabin to a liveable temperature, gave Bayfield County to many WQP participants and county hunters.

The cabin sits in the middle of 40 acres. After digging a path to the cabin, we hung my two dipoles. We had a problem with this because the snow was waist deep. We are looking to buy snowshoes for next year.

While working in the contest, I saw many deer walking around the cabin. I was surprised to find a woman ham also working in Bayfield City. I believe she worked only phone. So, I stayed on CW most of the time. I had no problem getting out on

CW, but really had a lot of trouble getting out on phone.

My wife and I have decided to make this an annual event, so we purchased a generator that would be what we needed and would fit in the trunk of my car. Looking forward to talking to everyone again next year.

My special thanks to all the out-of-state hams who worked the contest.

- Rick Robinson, NI9Z

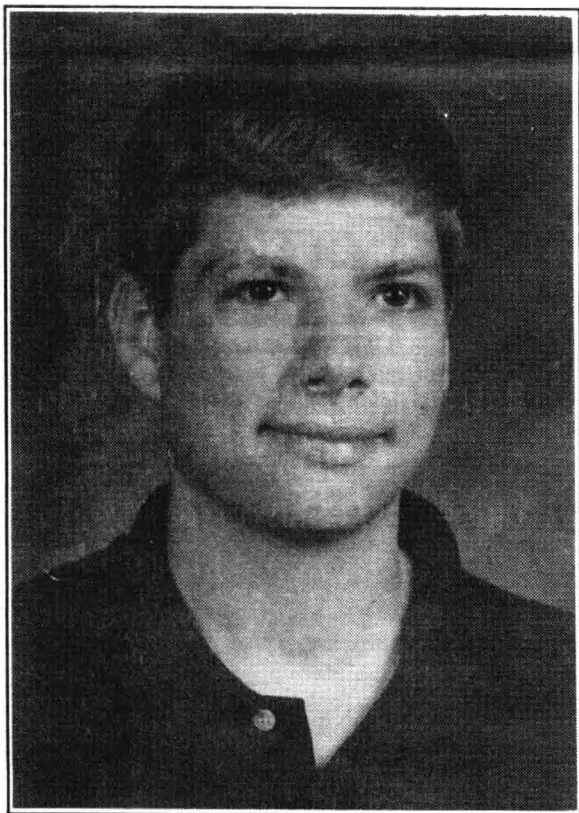
Mostly-Murphy Mobile: WB9HRO/M

This started in Milwaukee Saturday night at 9 p.m. I left the WCHA Hockey Tournament and drove to Wausau for the night. Up early with the sun and drive to Iron/Ashland County line. Power lines! Drive about four miles back into Iron County, set up, and tune up at 1800Z - nuts! Blow circuit breaker in van and power line fuse. Choices: Hand wire OR drive to cabin in Sawyer County for spare fuse? Takes 20 minutes to find reset on van, over an hour to get to cabin. Fix to run off spare battery. Battery gets soft! Operate from Town road while I exchange #2

battery - low power and drifting VFO. Finally battery is charged. It's about 2200 and I only have 45 QSOs. 40 meters is best. 80, last year's best band, is poor for me. Few SSB QSOs with about 30 watts out. Drive to Rusk County. With good battery and 100 watts out, rate improves. Make 63 QSOs in last two hours plus. Nice. I had intended to activate five counties: Iron, Ashland, Price, Sawyer and Rusk. I drove through 22 counties from Saturday night to Sunday, BUT I only managed to get two of the five on the air. Arrived home in Madison at 1130 p.m. Sunday night, very tired.

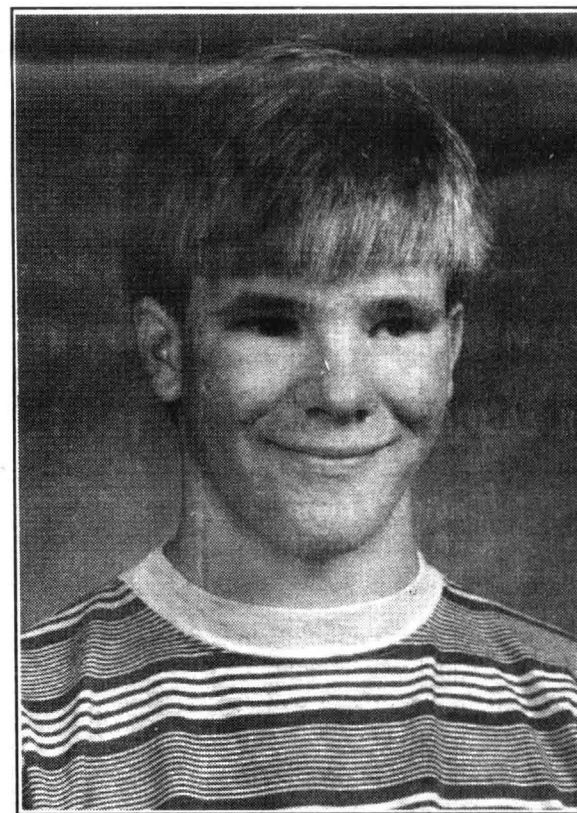
- 73, Jim Fitzpatrick, WB9HRO

SARC Multi-Op Technician



Eric H. Schneider, KB9LTB

These two ops worked nine counties and one state and had 33 SSB QSOs for a total score of 330. They won a certificate for their efforts. Well done! See you in the General bands next year?



Kris Scheppe, KB9LYT

About the sponsor



The West Allis Radio Amateur Club sponsors the Wisconsin QSO Party on the second Sunday of March every year.

The club also provides funds for a number of scholarships, which are administered by the Foundation for Amateur Radio. Announcements of availability and each year's winners are announced in the major ham radio publications.

WARAC sponsors the famous Mid-Winter Swapfest every January. See the ad on the back page for details.

The Worked All Wisconsin Counties Award is also offered.

Information about these and other WARAC activities is available from WARAC, P.O. Box 1072, Milwaukee, WI 53201, or visit the WARAC home page on the World Wide Web at:

<http://www.execpc.com/~wa9pov/warac/html>

AA7CS Mobile

Al Johnson, in photo at right, tallies 18 points on 2-meter FM from his brief operating stint at his perch Lapham Peak near Milwaukee. The photo was NOT taken in Al's car, but at home by his wife, Nancy, N9NZM. Al will operate HF from the Great Circus Train July 8.



By Nels Harvey, WA9JOB
2104 West County Line Road
Mequon, WI 53092-5616

The plans were made. The calendar showed the days x'ed off leading up to Thursday, May 16, 1996. Last minute items were gathered for the selling table, including the table. The coolers were filled with cold cans, ice, a couple of snacks and some candy bars. The caravan of two vans left my driveway with visions of bargains in our collective heads. Both drivers were a bit nervous when we told them to put away the maps, we knew the way! We were off to the great Dayton Hamvention!

Gary, WI9M, was taking his new van, with Dave, WA9POV, and me, WA9JOB, and Dave, N9UNR, was following, with Gabe, N9QQA. WI9M and N9UNR were newbies to the show. Dave had some meetings to attend as a W.A.R. representative to MACC, the Mid-America Coordination Council, and I twisted Gary's arm to go, as he has done to get me to upgrade. The few rain showers on the way did little to discourage us. The weather had to cooperate.

We lost an hour to the Eastern Time Zone, and it's necessary to get to the Hara Arena early to avoid traffic tie-ups, so a longer morning shower helps waking up at 3:30 a.m. Milwaukee time! At 4:45 a.m. the hotel water softener cycles, and, while normally not a problem, the entire hotel patronage probably was in the shower about that time. What does one do when they are all lathered up and the water goes away? I don't know, it happened, but not to me!

It was enjoyable to see Dave and Gary cast their eyes on the Hamvention grounds as we drove in. Gary said, "Oh my gosh!" I said "You can only see about half of the Flea Market!" After parking in our spot, we all headed out on our individual quest for the proverbial bargains! While we had chosen an unusual P.L. tone, and obscure 440 MHz frequency, our radio decoders beeped and burped throughout the three day quest. We definitely were not alone!

Gary had brought extra keys, and one by one, we would appear at the van, happy to stow the things we had purchased. Verne Teske, W9RYA,

came around and offered to watch our table if he could put some items out. He wanted to stay in the shade, so we rigged a tarp to protect him from the sun. It is a real pleasure watching Verne negotiate his prices. He is a past master at the art! Thank you, Verne. We were able to spend more time looking to spend money, thanks to you!

The Camelot known as the Dayton Hamvention comes around only once a year. People from all around the world attend. There is no way that one can cover the Flea Market and all the manufacturer's displays in the time allotted. Anything, from the newest of new, to the polished treasures of the

early days of radio can be found. Computers, printers, monitors, disks, programs, tapes, modems and memory also were in abundance. Old military gear, tent poles, antennas, towers, T-shirts, hats, satellite stuff, and just about anything else, thought to tickle the fancy of the Amateur Radio enthusiast, could be found there.

Ever since Dave, WA9POV, encouraged me to attend with him in about 1987, or 1988, I have been a booster of this great show! Next year, the dates are May 16, 17, and 18. If you can arrange it, it is worth your while. Oh! If you think of it, ask Gabe just how he got that lather off, in the shower!

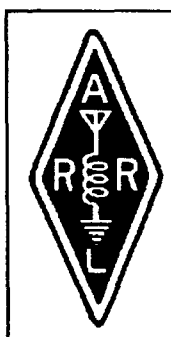
Out With the Old, In With the New

By Richard Regent, K9GDF
5003 South 26th Street, Milwaukee, WI 53221

Having been ARRL Section Manager of Wisconsin for 12 busy and productive years has kept me off the air more than I would like to be. So I'm singing a new song titled, "Out with the old and in with the new." On July 1, 1996, we'll have a fresh SM replacement .. Roy Pedersen, K9FHI of Juneau, who was Section Communications Manager for 11 years previous to my term. Roy is chomping at the bit to start work again and hopes to break my 12-year record.

Before I leave, let me review with you some highlights of the accomplishments that, with your support, we achieved:

- Attended many club meetings and events throughout



Wisconsin. Gathered data for our 165 clubs and encouraged them to become ARRL affiliated or Special Service Clubs.

- Staffed Wisconsin League booth at many swapfests and hamfests, selling several thousand dollars of League materials over the years. Answered questions and gave out reams of handouts. Signed up new ARRL members or helped with renewals. I didn't earn any money for myself, but made lots of friends.

- Visited Field Day sites and other Special Events stations.

- Stopped at homes of hams needing help, Silent Key funerals, license classes and exam sites.

- Wrote hundreds of human interest articles, including an Ask Elmer series, and drew Elmer cartoons for several years.

- Talked to newspaper, radio and TV reporters, government officials and to citizens at public meetings to publicize Amateur Radio.

- Gathered data and then promoted our 128 nets, most of them are now listed in the *ARRL Net Directory*. (The vast Wisconsin Net listing exceeds most other ARRL sections).

- Wrote *QST* column for 144 months including news for everyone's interests, never missed a month.

Continued on page 16

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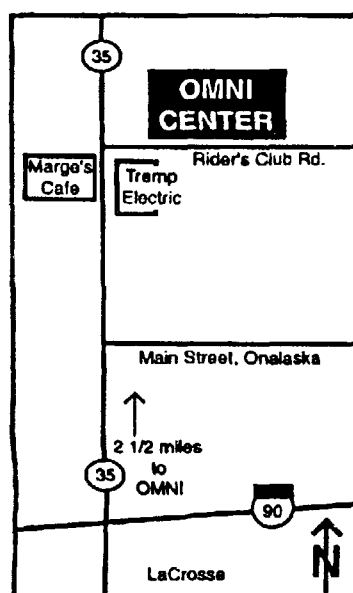
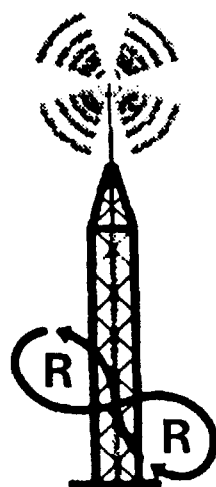
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Registration Form

Make checks payable to: Riverland Amateur Radio Club • c/o Dick Low, K0JYB
1520 Nakomis Avenue • LaCrosse, WI 54603

Admission..... \$ 4.00
Flea market tables..... \$ 7.00
Flea market AC power..... \$15.00
Tailgating..... \$ 7.00
TOTAL ENCLOSED..... \$

Name _____ Call _____

Address _____

City _____ State _____ Zip _____ Phone _____

SPECIAL EVENT STATIONS

The Great Circus Train

Special event station K9JYX/Railroad Mobile will operate from the Great Circus Train as it winds its colorful route from Baraboo, Wisconsin to Milwaukee on July 8 and 9, 1996. Operation will be near 7.240 or 14.240, depending on propagation, from about 9:15 a.m. CDT until about 8:00 p.m. CDT July 8 (due to a longer route), and from about 9:15 a.m. until about 2:50 p.m. July 9. Also, to give codeless Technicians an opportunity to work the train, 146.55 MHz simplex FM will be operated. A map of the train's new route is at right. A colorful certificate awaits those who work the station. QSL cards, with a 9" x 12" SASE with THREE units of U.S. first class postage affixed, should be sent to Don Evenson, K9JYX, 401 11th Street, Baraboo, WI 53913. Please allow eight to twelve weeks for your certificate to arrive.

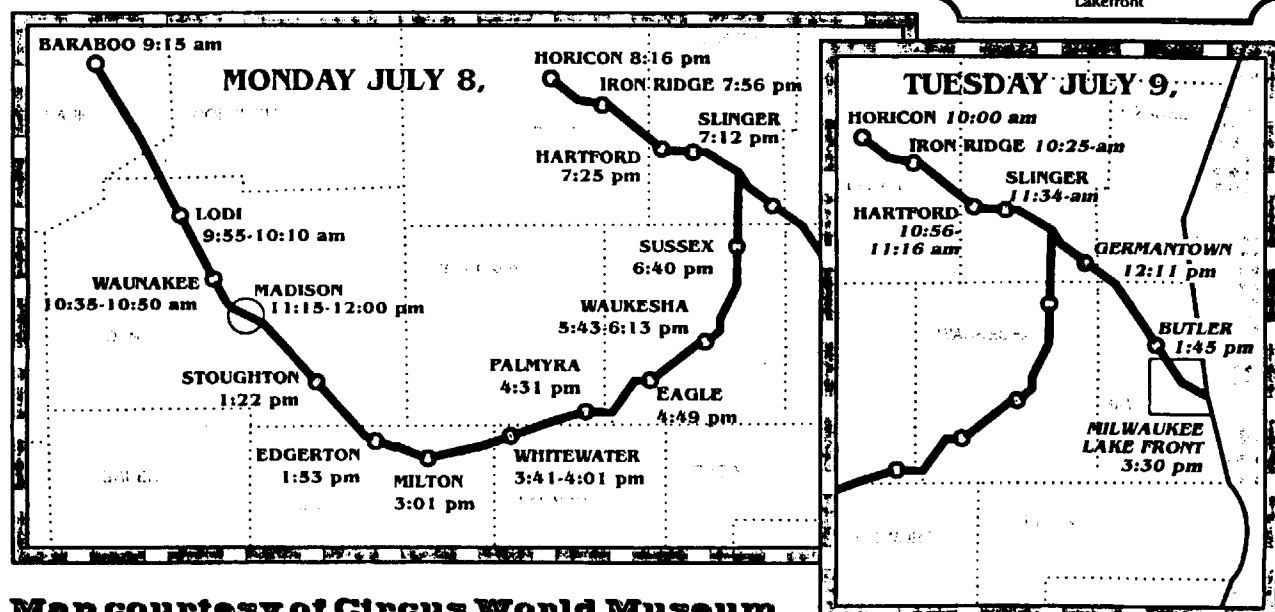
Experimental Aircraft Association Convention

From the World's Busiest Airport, Wittman Field, Oshkosh, WI Home of the E.A.A. Fly-in, members of the Fox Cities Amateur Radio Club (Appleton, WI) will operate W9ZL from the Experimental Aircraft Association Fly-In and Convention in Oshkosh, WI July 27, 28, and 29, 1996. They will be operating from the "Pioneer Airport" adjacent to the EAA Aviation Museum. Operations will be on the general phone portions of the HF band, as well as RTTY and CW as conditions and operators permit. The club also will giving "on grounds" convention information (no QSLs please) on 146.52 simplex. Proper QSL and SASE only to: Wayne Pennings, WD9FLJ; 913 N. Mason: Appleton, WI 54914 for a special 8" x 10" picture certificate.

THE GREAT CIRCUS TRAIN

1996 Route and Schedule

Presented in cooperation with the State Historical Society of Wisconsin
CIRCUS WORLD MUSEUM
& THE GREAT CIRCUS PARADE INC. in conjunction with
The Mighty Union Pacific Railroad and The Dynamic Wisconsin & Southern Railroad
Sponsored for the 11th consecutive year by STRONG CAPITAL MANAGEMENT, INC.



Map courtesy of Circus World Museum

In With the New

Continued from page 15

- Spread the word about the Volunteer Exam program at club meetings and to prospective Examiners.
- Wrote QST Public Service articles.
- Wrote the Emergency Communications Chapter of the ARRL Operating Manual. Revise the chapter every time it is printed. (It's always a treat to find this Manual at libraries or at swapfests; it is distributed worldwide.)
- Participated as a member of the ARRL Public Service Advisory

Committee to help develop and recommend some critical procedures and goals.

- Helped edit and draw cartoons for the ARRL Section Manager Survival Guide which is sent to new SMs. (Roy, you'll be getting one!)
- Wrote the ARRL Technical Coordinator Newsletter which was sent by Headquarters to all Sections for several quarters.
- Wrote the Technical Coordinator Manual, still issued by ARRL to all new Technical Specialists and Technical Coordinators.
- Presented the ARRL Hiram Percy Maxim Award to two annual winners from Wisconsin.
- Answered tons of correspondence and questions and handled countless telephone calls at all times of the day and night, not only from Wisconsin amateurs but also folks planning to visit Wisconsin to put them in touch with someone here.

The saddest duty was handling reports of Silent Keys each month and to write appropriate eulogies. Many of the amateurs were dear friends, field volunteers and oldtimers who greatly helped Amateur Radio over the years.

Thanks to field appointees, ARRL members, officers of clubs and staff at ARRL Headquarters. A special appreciation kiss to my wife Barb, N9DIJ, who assisted with the mountains of paperwork, phone calls and swapfest activities.

The role of Section Manager (SM) has changed from the days of the Section Communications Manager (SCM). The job requires more management skills that need to be handled properly. Also, League members might expect a SM to solve difficult repeater interference problems, develop legislation against antenna restrictions and attend most of their club events. Being SM was nearly a full time job, actually there is no limit to the time that could be spent handling details. I'm encouraged that Roy, being retired and charged up, is ready for the new organization. He can handle all these commitments.

What is Roy like, he has a great sense of humor: "Question: What is the difference between a grape and a raisin? Answer: Stress." Another K9FHI question, "How many dimples are there on a standard golf ball? Answer: 336." Roy says, "There are two things that happen to you as you get older, your memory fails and I can't remember the other one." So as you can tell, Roy is ready to blast out of the starting gate. We'll see how he does on the muddy and pothole covered race track. Please welcome him and support him in his return to this job.

Thank you again for all your support, for giving me the opportunity to volunteer for the good of amateur radio, and goodbye.

DANE COUNTY ARES EARLY AUTUMN SWAPFEST! MADISON, WI

Sunday, September 22, 1996 7:00am - Noon

At Fast Forward Roller Skating and Skate Shop
4649 Verona Road, (Hwy 18/151)

See map below. Talk-in on 146.34/94 or .94 simplex

+ + No advance registration required + +

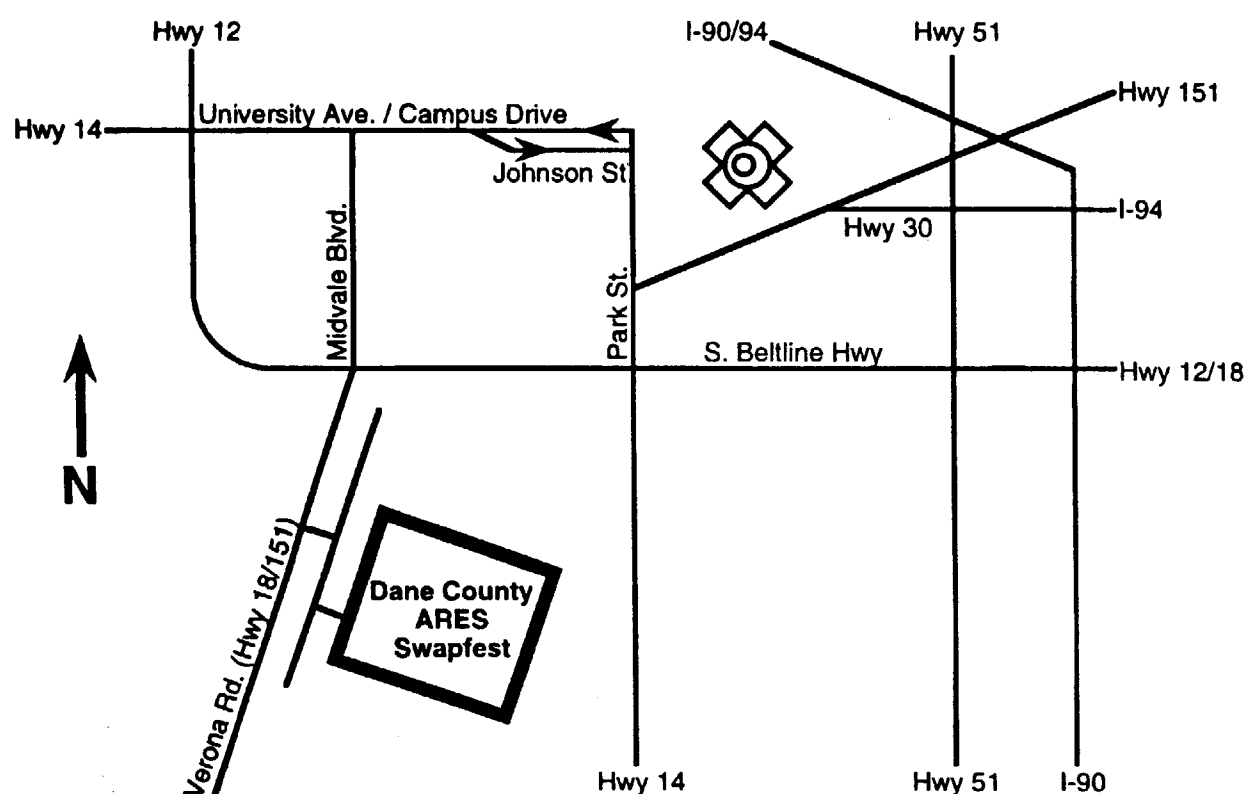
Out-of-vehicle sales only No tables provided. Rain or shine.

Admission is \$5.00 per vehicle to park or to sell

VE Sessions Available

Sponsored by Dane County ARES, Inc.
810 Vernon Ave., Apt 4, Madison, WI 53714
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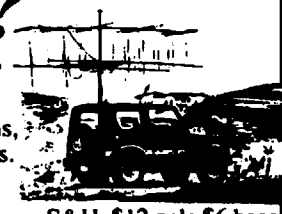
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Telescoping Aluminum Mast holds yagis, corners, parabolas, rotators, beams, wire antennas. Easy to carry, install... \$135. Park-on base support... \$70.



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Info \$1 S&H: \$12 pole \$6 base. Order Hotline: 801-373-8425

PARTICIPATING CLUBS AND ORGANIZATIONS

Wisconsin Nets Association Ltd.

Jim Merrill, W9AYK, Secretary • W283 Hillendale Drive
Oconomowoc, WI 53066

WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3985	1100	0600	W9AYK
BEN	Yes	3985	1700	1200	KE9VU
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	N9MXW
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9UW
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	2330	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0145	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0100	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1300	0800	WA9OAY
(LSB Sunday)					

Wisconsin Valley Radio Association

Paul Neubauer, N9IOG, Secretary

P.O. Box 363 • Wausau, WI 54402

Six Meter Repeater: 51.74 Input/51.24 Output

MEETING MINUTES 4 June 1996

Present at the meeting were: KB9DED Mike, N9OWD Dan, N9IOG Paul, N9SDI Jim, N9LIA Jack, K9BX Doc, KB9NPN Tom, N9TTA Tom, N9SDL Kim, KB9FRB Dody, KB9DZG Phil, N9SDN Michael, N9SDM Dee, KA9PML Al, N9PHC Del, and N9IAB Mike.

President N9SDI call the meeting to order at 7:30 and the May minutes were accepted as published. The treasurers report was given later in the meeting: we're solvent.

N9SDM passed out a flyer about the upcoming picnic in July. Due to July 4 holiday we will not have our regular meeting, instead on Sunday July 14 there will be a picnic in Marathon Park at shelter #3 (behind the grandstand). The picnic will start at noon and there will be a foxhunt at 2:30 for anyone interested. Bring your own drinks and meat and bring a dish to pass. For more information call N9SDM, Dee, on the 146.64 repeater or at 359-0815.

Old Business

Our tax exempt application is still pending, but we finally found a person who handles such applications. We can expect a wait of from two to six months after filing before seeing any response from the state and we should expect the

first response to be more questions regarding our application.

N9SDI thanked the volunteers who helped in Dreamflight this year.

We are looking for a logo for the minutes to improve on the simple box above.

KB9DZG passed around a single page summary of WVRA information that could be given out to anyone interested in the WVRA. He asked for additions and corrections. The result should be available at the picnic.

The back-up battery for the DVR has been received has not yet been installed. Also the six meter repeater is in need of a new final tube. The search is going on for an inexpensive replacement. No word has been received regarding re-coordination to bring the repeater to the standard split.

New Business

Results of the informal survey from last month's meeting showed a strong interest in a Marathon county ARES group. While inquiries have been made, no response has yet been received from the local emergency government coordinator.

The ARRL book package is for 25 of their "most popular titles" at a cost of \$170 including shipping. K9BX will talk to Mike O'Conner at the Marathon County

Continued on page 18

Notes From the Section Manager

Roy Pedersen, K9FHI • 510 Park Street
Juneau, WI 53039



Hi, guys and gals. As a lot of you know, I am taking over the Section Manager job for Wisconsin as of July 1. Rich Regent, K9GDF, wanted to get out, as he had the job for 12 years. I congratulate Rich and Barb for doing a super job.

I would appreciate news items for the column in *QST*, such as new club officers, and also from all ARRL members who have appointments to keep me abreast of their doings each month.

Don't forget Wisconsin has many phone and CW nets. You are welcome to join in any or all of them. These are traffic nets. If you handle traffic, please send

your station activity reports to KA9KLZ the first of the month.

Keep your radios in good operating condition. This is the season for severe weather. Hams do help with communications in emergencies, as we have seen with the Big Flats tornado and the Weyauwega train derailment.

I will try to get tidbits for this column in *Smoke Signals* often, so I will need your help.

I will also be looking for someone to take the positions of Affiliated Club Coordinator (ACC) and Official Observer Coordinator (OOC). □

WISCONSIN NTS TRAFFIC REPORT

May 1996

Net activity dropped during the month of May. With more daylight operation conditions were better resulting in fewer relays. And with warmer weather net participation is down.

With seven out of eight nets reporting (WNN N/M N9MXW suffered a lighting strike and is off of the air temporarily.) 3587 stations passed 2394 messages in May. The Badger Weather Net (BWN) N/M W9AYK reported 1758 checkins and 2074 messages passed. The Badger Emergency Net (BEN) N/M KE9VU reported 610 checkins and 76 messages passed. The Wisconsin Sideband Net (WSBN) N/M K9UTQ reported 386 checkins and 57 messages passed. There was no report from the Wisconsin Novice Net (WNN) due to N/M N9MXW being off the air. The Wisconsin Slow Speed Net (WSSN) N/M N9BDL reported 213 checkins and 18 messages passed. The Wisconsin Interstate Net/Early (WIN/E) N/M WB9ICH reported 222 checkins and 65 messages passed. The Wisconsin Interstate Net/Late (WIN/L) N/M W9UW reported 107 checkins and 38 messages. Northwoods Traffic Net (NWTN) N/M NS9Q reported 196 checkins and 43 messages passed.

We are fortunate to have two CW training nets in Wisconsin. The Wisconsin Novice Net (WNN), 3723 kHz at 6:00 p.m. local time, is an entry level training net for new operators. Call up is approximately 10 words per minute and it is an excellent place to learn to handle traffic. The Wisconsin Slow Speed Net (WSSN), 3645 kHz at 6:30 p.m. local time, is graduate school for WNN. Call up is approximately 15 words per minute but net control stations will respond to whatever speed you check in with. If you want to improve your traffic handling skills and CW speed these nets are the place to be. Spread the word around about these nets to any of your friends who are trying to upgrade or improve their traffic handling.

In May, there were nine stations with traffic totals in excess of 100, three of whom made Brass Pounders League. The stations are: W9IHW/1633 (BPL), W9AYK/1465 (BPL), WB9JSW/478 (BPL), for over 100 originations/deliveries, W9CBE/252, K9DHR/152, KB9UE/132, N9BDL/118, K9FHI/112, and W9YCV/105.

Thirty one stations submitted Station Activity Reports and eleven stations submitted Public Service Honor Roll Reports.

I mail my reports to League Headquarters on the 7th of the month. That makes

Please turn to page 18

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From
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Mancorad Radio Club

John Meyer, N29Z, Secretary

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54221-0204



2-Meter Repeater: 146.01 Input/146.61 Output

The Mancorad Radio Club will not meet in July or August, and will resume regular meetings in September. In lieu of meeting minutes this issue, Mancorad presents the photo and short story below.



Chuck Scholten, W9BZU, raises Old Glory and the ARRL flag at every ManCoRad hamfest. As of this May, Chuck has been a continuous ARRL member for 70 years! He is also a charter member of the ManCoRad Club, which he helped organize 50 years ago this year.

- Photo by John Meyer/N29Z

Wisconsin Association of Repeaters Holds June Meeting

The June meeting was held at the Wausau Inn and Conference Center in Wausau. The meeting was called to order by the chairman, Nels Harvey, WA9JOB, at 1:02 p.m.

The minutes of the previous meeting were accepted as published in the newsletter.

Treasurer's Report

The bank account stands at \$1345.77 with \$99.53 cash on hand for a total of \$1424.22 plus some stamps. A motion was made to accept the treasurer's report. The motion was seconded and approved by those present.

Newsletter report

Nels asked for any comments on the new policy of only sending newsletters to paid members. This resulted in a discus-

sion by some members who paid their dues in May and did not receive a newsletter. Due to the response time of getting the information through before the newsletter deadline it was decided to allow a grace period of an extra quarter to allow for the extra time. Therefore, people paid by the June meeting should be ensured of receiving all the newsletters.

Introduction of guests and members

Nels Harvey, WA9JOB
Dave Barrow, N9UNR
Joe Priebe, W9YZS
Dick Drew, K9PJB
Jim Delaney, N9QFW
Sara Bartlett, N0NIC
Virgil Burmeister, WB9MHS
Bill Niemuth, KB9ENO
Mark Heimmermann, KF9CS

Continued on page 19

Riverland Amateur Radio Club



Dan Abts, N9PZC
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES June 5, 1996

The June meeting of the Riverland Amateur Radio Club was called to order at 7:00 pm on June 5, 1996 by President Duane, W9HWQ. There were 25 people in attendance.

The minutes of the May meeting were approved as read by Dan, N9PZC. The treasurer's report was accepted as stated by Roger, KA9BKK.

Programs: Tonight's program will be a talk about lightning protection by Red, WO0W. In July the program will be on receiving WEFAX and SSTV.

440 Repeater: Dan, N9PZC, reported that the committee is looking into using a Motorola radio donated by Dick, W9DMH, and Motorola Mitrek radios. They are looking for information on modifying Motorola radios for use in repeaters.

Net Manager: Discussion was deferred until time for new business.

ARES/Skywarn: Kent, W9LZQ, reported that the Skywarn spotters were called out two nights in a row at 2:00 a.m. and one additional time. We will now have a computer and printer to use at the National Weather Service Office.

The Olympic Torch Relay went well thanks to the four RARC members who provide communications.

Property Manager: Bob, N9LZK, had nothing new to report.

Swapfest: Dick, K0JYB, mailed flyers to clubs around the area as well as to Eau Claire to be distributed.

146.97 Repeater: Walt, AA9AW, reports that the repeater is working flawlessly. He informed us that in the future we may be required to use PL tones on our repeater due to closer spacing according to the Mid America Coordination Council.

Field Day: Karl, KB9EQI, said that

the site will be on Red WO0W's property. He is looking for volunteers to help.

VE: Bill, KE9XQ, reported that the May 25th test session went well. Only a few candidates were present but several passed at least one element. The next test sessions are scheduled for August 24, 1996 at 7:00 p.m. and August 25th at 8:00 am at the Omni Center in Onalaska.

Old Business

The Constitution and the Standing Rules of the club and the repeater operation guidelines were handed out.

The motion to look into a new trailer that was tabled from the last meeting was brought up for discussion. Bob, N9LZK, reported on the price for a new trailer. After more discussion a vote was called for. The motion was defeated.

New Business

Pete, N9XVG, and Mark, N9UNW, agreed to take over the position of Net Manager together. They passed around a sign-up sheet for volunteers to run the Sunday night net and will be holding a meeting to discuss various aspects of running the net.

Kent, W9LZQ, and Walt, AA9AW, will work on keeping the club informed on the threat to our 2 meter and 70 centimeter bands.

Mark, N9UNW, brought up the possibility of providing communications for the Blue Nights motorcycle tour passing through on Labor Day weekend.

Walt, AA9AW, made a motion at 8:17 p.m. to adjourn the meeting. The motion was seconded and passed.

*Respectfully submitted
by Dan N9PZC*

Wisconsin NTS Activity Report

Continued from page 17

the deadline for reports the 6th. I can accept reports until I start printing them up for mailing. If you can catch me on the BWN on the morning of the 7th all would be well.

Hale Blakely, W9CBE, will also accept reports and forward them to me. Hale covers most of the CW and SSB nets so there is someone on almost every net to take reports.

Reports can also be sent VIA packet. My packet address is:

KA9KLZ @ NX9V.WI.USA.NOAM

Thanks to all stations who participate in the Wisconsin nets. You are the nets and Wisconsin nets are the best. 73

*Submitted by Arthur A. Evans, KA9KLZ
Wisconsin Section Traffic Manager*

NEW PUBLICATION: CyberHam Magazine

Harlan Technologies announces a new publication, CyberHam Magazine™, that combines what the Ham Radio Operator of today needs! Included will be information about how Ham Radio and Computers connect. We have presented the concept at several hamfests, including the Dayton Hamvention, and were received with the comment "It's about time" that someone put together a publication that covers the combination.

Many authors have already committed for monthly columns and articles such as: Hams on the Internet, Hams on Compuserve, Hams on America On Line, Reviews of Shareware Programs, Reviews of Commercial Programs, Computer Hardware, Technical Articles, Computer Programming, Beginning Computer user Articles, SSTV and TV, RTTY and AMTOR, Packet Radio and APRS Satellite Communications, YL Column on Computer/Ham Radio, Ham Radio BBS's, and MORE!

The first issue will be September 1, 1996, and will be published on a bimonthly basis. The normal subscription price will be \$19.95 (U.S.A.). However until August 31, 1996 we have a SPECIAL PRICE of only \$14.95 (Canada Regular \$23.95, Now \$18.95 - Overseas Regular \$29.95, Now \$24.95).

For information please call (815) 398-2683 - voice, (Subscriptions) (800) 557-9469, fax - (815) 398-2688, e-mail gharlan@cris.com.

Harlan Technologies
5931 Alma Dr, Rockford, IL 61108

Wisconsin Valley Radio Association

Continued from page 17

Public Library about acquiring this set to update to update their collection.

KA9PML brought up that the two meter radio for emergency government is hard to program and needs to be reprogrammed after every power outage. Short power outages occur monthly as a test of the back-up power at emergency government. An older uninterruptable power supply is being donated to remedy this problem. KB9NPN will pick up the supply

and check it out before installation.

KB9DED will investigate the possible purchase of a trailer for use as a club station for emergencies and special events. The meeting was adjourned at 8:15.

The scheduled program was not given due to last minute problems. The program is being rescheduled for the August 6 meeting.

Coming Attractions

July - There will no regular meeting, but there will be the WVRA picnic Sunday July 14 at noon in Marathon Park with a foxhunt at 2:30.

August - Meeting Tuesday the 6th. Program should be RF and Power grounding. □

OFFICIAL PUBLICATION OF CENTRAL WISCONSIN RADIO AMATEURS, LTD.

At University of Wisconsin, Stevens Point



WB9QFW 2-Meter Repeater 146.07-.67 and Club Station

P. O. Box 923 • Plover, WI 54467

MEETING MINUTES
June 12, 1996

President Mary Eiden, KA9FAS, gavelled the group to order at 1930 on June 12, 1996. Secretary David Tamres, KB9-IIF, was out of town, so Treasurer Joe Larson, N9JW, filled in for him.

The swapfest just held was a success, turning a small profit. That income plus the raffle income will permit the CWRA to go through another year without an increase in dues. Congratulations and thanks to everyone who sold tickets for the raffle, and who helped out on the swapfest. Scott Jasper, NE9U, sent a report showing everyone who sold tickets and how much they sold, including the names of those who did not sell any tickets. N9JW distributed a profit/loss report for the club finances showing that our dues would have to be set around \$40 per family without the income from the swapfest and raffle.

Mike Pagel, KA9LAQ, reported that he and Ron Howe, NJ9H, are planning an expedition to the Consolidated roof to check out the power backup system on our 146.985 repeater.

Mike also reported on the antenna replacement party for the 146.670 system. They found several problems with the coax and surge protector up there, but all has been fixed now, and the new GP-8 is up and working great. The old surge protector was junked, and the club voted to have KA9LAQ purchase and install new one, probably from Polyphaser, at a price around \$45.

Mike also reported that all unpaid members have been purged from the auto-dial system on 146.670.

N9JW reported on the Wisconsin Special Olympics state summer games. Twenty three hams worked a total of 254 hours at the games. The top worker was Mike Urban, KB9GXV, with Frank Podach, N9JQR, in second place. The communication committee thanks everyone who helped out. Whether it was for a half hour or for thirty hours, you helped fill a vital role. The WSO people have learned to look to us for help finding missing athletes and to know what to do in emergency situations. Like Field Day, the summer games provide us with an excellent training ground for emergency situations. In fact, it could be argued that having 2500-3000 people milling around on the UWSP campus is an emergency situation by definition! Art Wysocki N9BCA remarked that whenever the squelch broke on 146.670, he knew it was going to be something worth listening to. There was very little idle chatter. Again, thanks to everyone who helped out.

KB9GXV will be joining the communication committee, with an eye to taking over the chairmanship in a year or so. Dave Olson, N9JQU, reiterated that the WSO management people feel we fill a vital role at Special Olympics, a role that has been changing over the years but is none the less vital. If you missed it this year, come join us next year.

The club gave a rousing round of applause for John Kalina, KA9DJA, for his excellent work on the swapfest this year. Thanks for a job well done. Breaking up the swapfest and raffle this year did not seem to hurt participation in either one of them. N9BCA reported the dealers

seemed well pleased with the arrangements, and overheard KA9DJA talk about doing this again next year.

N9JW reported that W9NN passed his Extra Class code and theory tests. Congratulations go to Bob. Next time you talk to Bob, ask him about it.

John Feltz, WA9LWJ, is setting up for Field Day. We will be down on River Road in Plover, in mosquito country near the Wisconsin River, operating W9NN/9 in class 1A. He and Brian Feltz, WB9E, will be setting up a satellite station, along with 6 meter and 2 meter SSB. Setup starts Saturday morning. The club voted to approve John to purchase up to \$75 worth of food and drink for refreshments during and after Field Day.

KA9LAQ asked if anyone was interested in pursuing Field Day at next year's Alternative Energy Fair. The response was positive, so he will approach the AEF organizers to see what we can work out. The AEF is one of the country's largest fairs devoted to power from the sun, wind, etc. It is held in Amherst, Wisconsin, and it happens to always fall on Field Day weekend.

The Low Earth Orbit (LEO) satellite proposal to take the 2 meter band was explained. Tactful, reasoned, professional responses would be useful at this point. Watch for more information in QST.

The August meeting will be the Fox Hunt and picnic at W9NN's house.

July meeting will be back in the UWSP Science Building.

The September meeting will be the ever exciting annual election meeting. We plan to send out reminder notes to all current members that their membership will expire as of the September meeting.

We then adjourned and KA9LAQ presented a fascinating and instructive video from The Learning Channel on lightning. Next month we will get a report and video from NE9U on operating at contest station W0AIIH.

Attendance

Joe Larson	N9JW
Mary Eiden	KA9FAS
Deb Kroll	N9EIL
Gene Kroll	KE9MA
Mike Eiden	WD9JID
Mike Urban	KB9GXV
Dave Olson	N9JQU
Bob Baird	W9NN
John Feltz	WA9LWJ
Art Wysocki	N9BCA
Frank Guth	W9BCC
Mike Pagel	KA9LAQ

Respectfully submitted:
Joe Larson N9JW, CWRA Treasurer

Addition to May Attendance

The following attendees were accidentally omitted from the minutes of the May CWRA meeting.

Joe Omernik	N9CGV
Mike Pagel	KA9LAQ
Mike Peters	W9GHY
Ken Slusarski	N9SDW
David Tamres	KB9IIF

We apologize for the omission. □

Thanks, Rich!

For twelve long and, no, doubt tresty at times, years, Rich Regent, K9GDF has capably served as Wisconsin's ARRL Section Manager. Thank you, Rich, for your exemplary leadership. To your successor, Roy Pedersen, K9FHI, we wish the best as he starts his second tour of duty as SM. As a volunteer for B5SS, I know the dedication and hard work being a volunteer is, and to Rich I can say: "You done good!"

- Jim Romelfanger, K9ZZ, Editor B5SS

WAR June Meeting

Continued from page 18

Dick Hanneman, W9FYP
Scot Thompson, WB0WOT

LEO proposal for the
2 meter and 70 centimeter bands

The group discussed the proposal by the Low Earth Orbit to utilize the 2 meter and 70 centimeter bands. It was decided to wait for Dave, N9UNR, to email those interested more information on the proposed changes. The information will include the proposal and the proper steps to action.

Frequency Coordination Report

De-coordination:

A motion was made that all the stations listed in the June newsletter, who have not responded, will receive a notice that if they do not respond they will be de-coordinated. The motion was seconded and approved by the members present.

ATV:

The Mid America Coordination Council (MACC) has changed the wording of their repeater coordination for ATV repeaters and to a certain extent they expressed "we strongly discourage inband 440 ATV repeaters." In other words, if you go in on 920 or 1240 and come out on 2 meters that would be preferable than having both input and output of the repeater on the same band. The MACC has rescinded the sunset clause of January 1, 2000 for all ATV repeaters to be de-coordinated.

After some discussion no motion or policy was set, just the following suggestions. WAR will not de-coordinate any existing ATV repeaters. All ATV repeater coordination will be done on an individual basis with a STRONG suggestion to only use cross band repeaters.

Changes that require
a repeater to be re-coordinated

Dave discussed that if a repeater is moved by more than five miles it must be re-coordinated per our rules. This led to further discussion about amateurs changing antenna height or radiated power. The final conclusion was the current WAR policy is sufficient and does not require any modifications at this time.

Chairman's Report

Nels told us about the two big items at MACC in Dayton this year. The one on ATV and the minimum distance allowed

between repeaters. The spacing between repeaters was listed in the June issue of the newsletter.

Nels updated us on the National Frequency Coordination Council (NFCC). It is to be an autonomous organization. The purpose of the NFCC is to provide a single point of contact between the FCC and repeater coordination. The hope is that this will give the amateurs a voice into the FCC on issues that effect repeater coordination. Dave N9UNR has been nominated as a candidate for one of the director positions.

Old Business

No old business.

New Business

ARRL Repeater Directory Listings: Everybody knows (or should know) that the star '*' in the directory listing means the repeater coordination is current. If the star '*' is not present it does not infer that the repeater is going to be de-coordinated (not yet) but it does mean that it will not be listed in next years' copy of the *ARRL Repeater Directory*. The bottom line is that if a repeater does not have a star '*' on the listing by November of this year '96' it will not be listed in the 1997 *ARRL Repeater Directory*. This is considered more of a service to the people who use the directory to ensure that the information is accurate in case of an emergency.

A motion was made that only those that renewed within the calendar year are listed with the ARRL for next year's directory. The motion was seconded and approved by those present.

New Minimum Repeater Spacing

We are changing our repeater spacing to the following minimums: 90 miles on 2 meters, 70 miles on 220 and 60 miles on 440 and up. That would be a minimum spacing and in view of the technology today one thing we would require would be use of PL.

A motion was made to accept the chairman's recommendation that "Any coordinations using the new minimum spacing (closer than current spacing) be required to have encode and decode PL for the NEW stations". The motion seconded. The motion was amended to include "Neighboring repeaters will be notified of any new coordinations that are closer than the current spacing." The amendment was seconded and approved by those present. The motion was approved by those present.

A motion was made "That all new coordination, brand new, not carry-overs, not reinstatements, not other things but brand new coordinations be required to do encode and decode PL." The motion was seconded and approved by those present. □



e.c.a.r.c.
eau CLAIRE
amateur RADIO CLUB

Carl Searing, W9NW, Secretary
1129 McKinley Rd. • Eau Claire, WI 54703

MEETING MINUTES
June 11, 1996

The meeting was opened at 1930 hours by President Kevin Zehr, N9OHE. Secretary's and treasurer's reports were read and approved.

The Eau Claire City Council has approved the donation of a surplus equipment van to the Chippewa Valley Amateur Radio Emergency Service (CVARES). The transfer of ownership is to take place in October. It was suggested that the Eau Claire Club actually own the vehicle. Questions of licensing, insurance, and officially designated drivers were raised. The matter was tabled for discussion at the June (sic) meeting.

There will be a picnic at the Field Day site in the new pavilion by Dells Pond, in

Mt. Simon Park, on Field Day, June 22. The club will provide meat and pop; those attending please bring salads, potato dishes or desserts. Time: about 6 p.m.

There was discussion on Field Day preparations, with those interested to meet at the Big Steer on Clairemont at 7 p.m. on the 16th for a planning session.

Hamfest: General discussion of preparations. Tickets at printers. Signup sheet for ticket-takers passed around. W9NW, KB9R, WU9R, N9OHE, and others to meet at site Tuesday, June 18 to check on suitable area in which to conduct tests.

Lunch committee for June (sic): W9-BAR, WU9R.

Meeting adjourned at 2045 hours.

Respectfully submitted:
W9NW, Secretary

Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

MEETING ANNOUNCEMENT

Due to the Independence Day holiday, the next regular meeting will be held on Thursday, July 11th at 7 p.m. in the Emergency Government meeting room located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 Medford repeater (+ 600 kHz) or 146.52 MHz simplex.

EXCERPTS FROM MINUTES OF JUNE 6, 1996 MEETING

Meeting was called to order by President N9GEN. Present were AA9LE, W9QHI, KA9WDX, N9GEN, N9UBR, N9UBQ and N9GHZ.

Minutes of the May 2, 1996 meeting were read by Secretary N9GHZ, and accepted as read. Treasurer's report was presented by Treasurer KA9WDX. A check was received from N9GHZ for the

purchase of a box of computer printer paper that had been donated to the club by W9QHI. The membership present expressed its thanks to W9QHI for the donation to the club. Taylor County Office of Emergency Government received a bill from Northway Communications for recent repairs to the 2-meter repeater caused by lightning. It was reported that the repeater appears to be working fine now.

N9UBQ, Taylor County Emergency Government Coordinator, shared some articles with the membership present from the May, 1996 issue of *DEG Digest*, published by Wisconsin Emergency Management. The articles refer to the role of Amateur Radio and the ARES in providing emergency radio communications.

Amateur Radio communications for the annual American Cancer Society walkathon on Saturday, June 1st, were summarized and discussed. It was reported that nothing has been heard back yet on the club's application to the FCC for a club call sign.

It was reported that Ray Gajda, N9IDW, Lublin, became a silent key on May

18, 1996 at the age of 71. Ray was a long-time member of the club, as well as a member of the club's VE exam team. Motion by N9GEN, seconded by N9GHZ, to have the club purchase a copy of the current edition of the ARRL publication "Now You're Talking! All You Need To Get Your First Ham Radio License", and donate it to the Gilman Public Library in N9IDW's name. Motion carried.

N9GHZ passed around printouts from the Eau Claire Amateur Radio Club's home page on the Internet's World Wide Web, for members to view. N9GHZ reported that the autopatch codes on the 147.15 repeater have not yet been changed, but should be taken care of in the near future. N9UBQ reported that the shared antenna project between a radio paging service and the club's 2-meter repeater is temporarily on hold.

There was some discussion concerning the continued need for the club's repeater maintenance committee, in light of the fact that there is now a contract, through Taylor County, for maintenance of the repeater, and taking into account that the major repeater upgrade project started several years ago has been completed. The committee had been formed at that time. Motion by N9GEN, seconded by N9GHZ, to disband the Taylor County Area Amateur Radio Club Repeater Maintenance Committee. Motion carried.

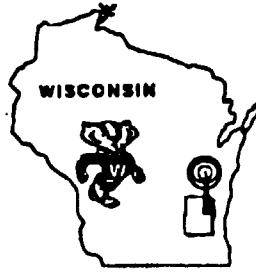
N9GHZ passed out flyers for the

annual Eau Claire hamfest in July. The information was downloaded off the Internet. N9GHZ also passed out information on a recent new commercial threat to Amateur Radio frequencies, this time to the 2-meter and 70-cm bands, from the Low-Earth-Orbit (LEO) satellite industry. The information had been received, via e-mail, from N9UNR of the Wis. Assn. of Repeaters. Members present were encouraged to write letters in response to this new threat. The club will sponsor a VE exam session on Saturday, October 12th. Meeting was adjourned.

CLARK/TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE (ARES) NEWS

Mike Schoenfuss, N9GHZ
ARES Emergency Coordinator


Don't forget to try to check into the weekly ARES net held Wednesdays at 8:30 p.m. on the Medford repeater (147.75/147.15). If the repeater is down or not functioning properly, alternate frequencies, in order, are 147.15 MHz simplex and 146.52 MHz simplex. You're also encouraged to volunteer for net control duty for the net.



Washington County Amateur Radio Club

Tom Waldschmidt, N9LZW,
Secretary
465 Elder Lane
Allenton, WI 53002-9799

Club Repeater: 146.73 MHz



MONTHLY MEETING MINUTES June 13, 1996

The June 13, 1996 membership meeting of the Washington County ARC was called to order at 6:35 p.m. by President Walt Gossfeld, N9LLS. There were eleven members and one guest present.

The minutes of the May membership meeting were read by Secretary, Tom, N9LZW. There was a motion by Sherm, W9NGT, seconded by Bill, N9IBU, to approve the minutes. Motion carried.

The treasurer's report was read by Treasurer Dave, KA9RNU. There was a motion by Sherm, W9NGT, seconded by Doug, N9PCG, to approve the treasurer's report.

A repeater committee report was given by Sherm, W9NGT. Sherm said that he and Don, K9GR, had adjusted the audio level on the repeater since users felt that it was too low. Sherm said it was increased by 6 dB and is operating in a clean and

quiet manner.

Old Business

Walt, N9LLS, explained that he had sent Field Day media releases to three newspapers, the *Hartford Times Press*, the *West Bend Daily News*, and the *Milwaukee Journal-Sentinel*. Walt has also obtained permission for the club to use the St. Lawrence Fire Dept property for this year's Field Day event.

Brian, N9LOO, announced that he is looking for hams to volunteer to help with the Riveredge Nature Society's bike ride on Sunday, June 23. Bill, N9IBU, and one ham from the Racine area have offered to help and Tom, N9LZW, intends to be riding in the 16 mile route equipped with an HT. Brian can be reached on the 146.73 repeater or on packet frequency of 145.03 with mailbox call N9LOO-1.

Brian also reported that he has found a World Wide Web site at no charge to the

club. Plans are to put club information and minutes in the WEB site.

New Business

There was a discussion about Field Day preparations and equipment. Sherm, W9NGT, has the mast, coax, tuner, solar panel, and miscellaneous items. The much of the equipment will be transported to the site the evening before Field Day. Rip, W9SIZ, recommended an on the air meeting next Thursday night. Rigs will be needed. Doug, N9PCG, offered to bring one for use on sideband.

Larry, WB9BVB, said that he and Jim, KB9LTW, will be setting up a satellite station because there is expected to be some MIR space station and Space Shuttle activity.

There was a discussion on batteries. Tom, N9LZW, said that one of the club's batteries had not been taking a charge at first, although it has a full charge now. Tom has the two club batteries and one of his own automotive batteries which can be used if necessary.

The time of the breakfast preceding Field Day setup has been changed from 7 a.m. to 8 a.m. The location is The Slinger Inn, located at 335 E. Washington St. (Hwy 175), Slinger.

Tom, N9LZW, was taking orders for club clothing purchases. He will be submitting the order in about one week.

Sherm, W9NGT, reported that the Circus Train will be making a stop in

Hartford this year. The expected schedule for the train's travel through Washington County on Monday, July 8, will be: through Slinger at 7:12 p.m. and through Hartford at 7:25 p.m. northbound. Then on July 9, the train comes back southbound to Hartford at 10:56 a.m. and stays until 11:16 a.m., then, through Slinger at 11:34 a.m. and through Germantown at 12:11 p.m. Monitor area repeaters for Circus Train activity. They also will be operating on the HF bands. (BSSS editor's note: Try 146.55 simplex, too.)

It was reported that Joel, K9MLD, has a tower for sale. Rumor has it that Joel is selling his home for greener pastures.

Larry, WB9BVB, made a motion to adjourn which was seconded by Sherm, W9NGT. Motion carried.

Respectfully submitted,
Tom, N9LZW, Secretary

Washington County ARC members meet for breakfast nearly every Saturday morning at varying restaurants around the county. Larry, WB9BVB, our food chairman gives us the following schedule for July. Guests are always welcome.

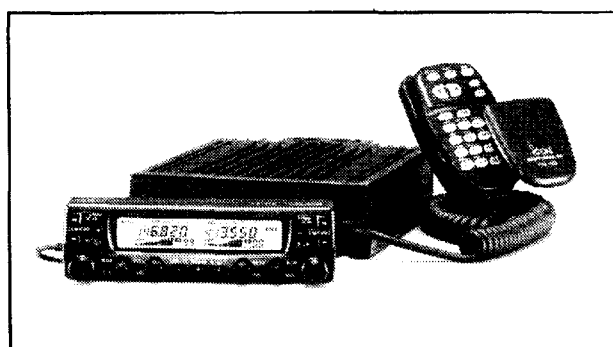
July 06, 1996, 9:00 a.m., Parkside Cafe, Jackson
July 13, 1996, No breakfast - SMARC swapfest in Oak Creek
July 20, 1996, 9:00 a.m., The Slinger Inn, Slinger
July 27, 1996, 9:00 a.m., Fay's Restaurant, West Bend

NEW PRODUCTS

Icom IC-2710H Dual Band Mobile

Icom introduces the IC-2710H dual band mobile featuring a new full control HM-98 DTMF microphone. One-handed operation is truly attainable with the IC-2710H. Directly enter frequencies using the backlit mic keypad. You can even program functions from the mic.

The IC-2710H features a detachable front panel. Mount the front panel on your vehicle's dashboard and stole the main body in another location such as the vehicle's trunk.* The IC-2710H also provides two sets of independent controls for convenient dual-band operation and for safe operation while driving. The VHF (144 to 148 MHz) and UHF (440 to 450 MHz) bands have their own main tuning dial, VFO/MHz and Memory/Call buttons as well as Volume/Squelch control. Independent control of each band provides you with safe and convenient mobile operation while driving. For further ease of operation and safety, the IC-2710H has four selectable backlighting levels for varying lighting conditions. A total of 220 memories can be programmed in with the optional CS-2710H PC programmable cloning software. Transmission frequencies are automatically entered into "scratch pad" memories for easy recall. Each band has six scratch pad memories with the ability to store three duplex settings for repeater use and three for simplex



settings.

A new high-speed scanning feature allows you to scan your choice of six pairs of programmable scan edges (the upper and lower frequency limit you set to scan) or to use the memory scan. You can receive from 118 to 174 MHz and 400 to 470 MHz. Optional features include a UT-49 pager/code squelch and external DTMF control via sub band and the UT-104 tone squelch unit which provides pocket beep, tone squelch and tone scan functions (can also be used as a subaudible tone encoder). With the optional HM-90 wireless mic and EX-1759 infrared receiver, wireless operation is available for convenient mobile operation.

Additional features include 50 watts power output on two meters and 35 watts on 440 MHz, with three selectable power levels. The IC-2710H simultaneously receives two signals on the same band (V/V or U/U) and has sub-band mute or busy beep while receiving on both bands at the same time. An auto repeater function

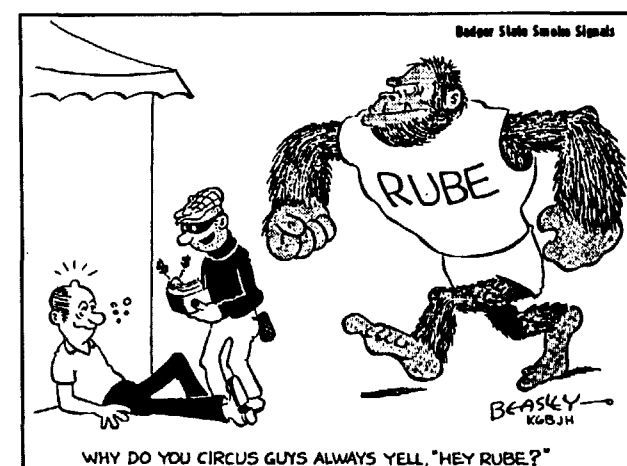
automatically sets the repeater settings when operating within the repeater frequency range.

The IC-2710H also has one-push action switches (no {FUNC} switch) to simplify and speed up function access, a SET mode to customize operation and built-in pager and code squelch functions. A time-out timer function prevents accidental continuous transmission.

For further information, please contact your local Icom Amateur Radio dealer or Icom America, Inc., 2380-116th Avenue N.E., Bellevue, WA 98004, (206)454-8155.

*Optional OPC-600 or OPC-601 required.

- Icom news release



Red Cedar Repeater Association, Inc.

Steve Hart, KA9OMC, Secretary

E616 810th Avenue

Knapp, WI 54749

2-Meter Repeater: 146.01 Input/146.61 Output

Greetings, RCRA sponsors and guests.

Here is hoping that despite the weather, you are getting your summer started. The report is as follows:

- WB9OKQ, Lyle at Star Prairie, has picked up a Johnson Voking Phone Patch that WA9CCB, Louis, donated to RCRA. Louis also donated some tubes, phones and crystals to the repeater. Thanks, Louis.

- K9ZVZ, Dave, at Fall Creek has returned from Texas and has gone on tour in China.

- KE9VA, Rolin, at Boyceville has donated a Transoceanic Radio to RCRA. Rolin has decided to take the computer challenge and is attending courses at Janesville.

- WA9CCB, Louis at Durand, has returned from the 96th Signal Battalion reunion in Milwaukee.

- KB9MMT, Jeff from Menomonie, has completed a homebrew 2 meter beam from some of the elements that were donated by WB9PMF, Tim. Jeff also reports that he is constructing a Web Page for RCRA and is also looking for info on other Wisconsin repeaters that have Web Pages. Contact Jeff at 235-7032.

- KF9CU, Arlene at Cedar Falls, has a modem for sale. Contact her at 235-3182.

- AA9BB, Jim from Arcadia, reports that there will be a new repeater at Winona on 146.835 MHz in the near future.

- N9TTV, Glenn at Cedar Falls, reports

that his wife is now on a steady course of recovery. Good News.

- WB9YMB, Jim, and Arlene, KF9CU, have saved enough food labels to again bring the association a check for \$7.50.

- K0DL, Don at Menomonie, has renewed his ARRL membership through RCRA putting the commission of \$2 in our treasury.

- KE9RW, Steven at Eden Prairie, MN, has gained new recent employment as a Network Engineer with the Minnesota Regional Net Internet Services. The company has recently expanded to 35 employees.

- Write now, right now regarding the WARC 97 conference considering reallocation of spectrum that may affect amateur VHF and UHF operation and the possible reassignment of amateur frequencies to the mobile - satellite service. Address to write: Cecily C. Holiday, International Bureau, FCC, Washington, DC. 20554.

Work continues on trying to repair the 44x receiver at Colfax that listens to our Menomonie remote. It appears there is still further damage to the voter card that must have happened at the same time.

Doing something on Field Day? Send us your pics and happenings and we will put them here in BSSS.

73,

RCRA Sec/Treasurer Steve Hart



SHEBOYGAN County Amateur Radio Club

Mike Musiel, KF9SJ, Secretary
N9001 Dairyland Rd., Cleveland, WI 53015

At press time, no material for publication had been received from the Sheboygan County Amateur Radio Club.

FCC opens vanity call sign gate 1A July 22!

The FCC has announced it will open vanity call sign program Gate 1A on July 22, 1996. Under this gate, applicants can request an in memoriam call sign for a club station to honor a deceased former member. You may request the call sign even though it has been less than two years following death of the club member. Upon the death of the holder, the call sign is granted immediately to an otherwise eligible club station. (However, the license grant first must be deleted from the FCC database; see below.)

If you are the license trustee for your club station, you may request in memoriam for your club station the call sign previously shown on the primary, secondary, repeater, auxiliary link, control, or space station license of a deceased person who was a member of the club. Here are the specific guidelines to request a call sign in memoriam for your club station under Gate 1A:

The club must have held a club station license grant on March 25, 1995.

You must have in your station records a written statement from a spouse, child, grandchild, stepchild, parent, grandparent, stepparent, brother, sister, stepbrother, stepsister, aunt, uncle, niece, nephew, or in-law of the deceased confirming the deceased person's association with the club and showing consent of the relative to your request. Do not send this statement to the FCC unless you are requested to do so.

You must be an Amateur Extra Class operator to request a Group A call sign, at least an Advanced Class operator to request a Group B call sign and at least a Technician Class operator to request a Group C or D call sign.

Your mailing address does not have to be in the region designated in the sequential system for the call sign requested. A call sign requested in memoriam may be in any region.

You must enter the relationship to the deceased of the person giving consent exactly as listed in the instructions, ie, child, niece or in-law.

The license grant of the former holder now deceased must have been deleted from the licensee database. To do this, a relative of the deceased should submit a signed request to have the license grant canceled. This request should include copy of an obituary or death certificate. Submit requests for cancellation to the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245 prior to filing the application for a vanity call sign.

A \$30 fee is required with your FCC Form 610-V application. Payment of fees may be made by check (payable to "FCC"), bank draft, money order or credit card. Do not send cash. If paying by credit card, also complete and submit FCC Form 159 with your FCC Form 610-V. Send your application package to: Federal Communications Commission, Amateur Vanity Call Sign Request, PO Box 358924, Pittsburgh, PA 15251-5924.

The FCC has not announced when it plans to open the additional vanity call sign gates. Gate 1 opened May 31 for applicants seeking former personal or club station call signs and call signs once held by deceased close relatives. Gate 1 will remain open indefinitely. A reminder: The FCC will return any Gate 1A applications it receives before July 22, 1996 for timely resubmittal. Applications that do not qualify under Gate 1 or Gate 1A eligibility standards, will be dismissed. A future public notice will announce Gate 2, which will have expanded eligibility standards affecting Amateur Extra class licensees.

Meanwhile, the flurry of vanity call sign application activity under Gate 1 seems to be tapering off. The FCC reports 269 applications for the period of June 11-17, 1996. Between May 31 and June 10, the Commission got nearly 1700 applications. The FCC's Gettysburg office also got a number of another sort during the week of June 16 when heavy rains shut down the town and reportedly flooded the basement of the FCC's building

The Racine Megacycle Club



Club Station W9UDU • Racine, WI

ARRL Affiliated

Providing Communications for American Red Cross and ARES

Alex Voss, N9RGX, Secretary

c/o RMC • P. O. Box 3 • Racine, WI 53401-0003



Ham Calendar 1996

Courtesy Racine Megacycle Club

JULY

Sun	7	Kenosha Ham Breakfast
Mon	8	RMC meeting
Sat	13	Hamfest Oak Creek
Sat	13	IARU HF World Champ'ship
Fri	19	RMC Fox Hunt
Sat	27	Hamfest Eau Claire
Sat	27	Hamfest Rockford
Sun	28	HAMFEST RACINE!
Tue	30	Lakeshore meeting

AUGUST

Sat	3	UHF Contest
Sun	4	UHF Contest
Sun	4	Kenosha Ham Breakfast
Mon	12	RMC Meeting
Fri	16	RMC Fox Hunt
Sat	17	Hamfest Franklin
Sat	17	10 GHz Contest
Sun	18	10 GHz Contest
Sun	18	QCWA #162 Annual Picnic
Sat	24	Hamfest Onalaska

SEPTEMBER

Sun	1	Kenosha Ham Breakfast
Sat	7	Testing Racine
Mon	9	RMC Meeting
Fri	13	RMC Fox Hunt
Fri	13	through
Sun	15	Hamfest Peoria
Sat	14	VHF QSO Party
Sun	15	VHF QSO Party
Sun	16	QCWA #162 Business Meeting
Sat	21	Amateur Radio Awareness
Sat	21	Hamfest Grayslake
Sun	22	Hamfest Grayslake
Sat	21	through

Sun 22 10 GHz Contest

OCTOBER

Sat	5	Testing Racine
Sun	6	Kenosha Ham Breakfast
Fri	11	RMC Fox Hunt
Sun	13	Hamfest Waukesha (KMRA)
Mon	14	RMC Meeting
Sat	19	BSA Jamboree on the Air
Sun	20	BSA Jamboree on the Air
Sat	19	Simulated Emergency Test
Sun	20	Simulated Emergency Test
Sun	20	QCWA #162 Election
Tue	29	Lakeshore Meeting

NOVEMBER

Sat	2	Testing Racine
Sat	2	Sweepstakes - CW
Sun	3	Kenosha Ham Breakfast
Fri	8	RMC Fox Hunt
Mon	11	RMC Meeting
Sat	16	through
Mon	18	Sweepstakes - Phone
Mon	18	QCWA #162 Business Meeting

DECEMBER

Sun	1	Kenosha Ham Breakfast
Fri	6	RMC Fox Hunt
Fri	6	through
Sun	8	160-Meter Contest
Sat	7	Testing Racine
Sun	8	QCWA #162 Christmas Meeting
Mon	9	RMC Christmas Meeting
Sat	14	10-Meter Contest
Tue	31	Straight Key Night

The minutes of the Racine Megacycle Club's June meeting will not be published this month due to the passing of N9RGX's grandfather. The details involved take priority over Amateur Radio. Our sympathy goes to Alex and the family.

Quarter Century Wireless Association Southeastern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Racine, WI 53402



Our Great Mosquito Awareness bash was a flawless endeavor. Six members and three spouses braved the elements to attend this annual occurrence. The abundance and variety of food offered our palates almost defies description. A large yellow tarpaulin, angularly attached to a second story porch provided ample protection from Mother Nature as we cooked and consumed our fare. The only glitch of the event was the guest of honor who failed to make an appearance. I saw not one mosquito!

The 1996 QCWA QSO Party has drifted into history listing four of our Chapter members as ardent contesters. Al Algiers, W9HR, placed 37th on the CW list; Herb Ladwig, W9PHJ, was listed 39th on the Phone portion, followed by Bob Jensen, 82nd and Tail-End-Charlie, Larry McCalvy, WA9JMO, 100th. If only one contact was made and the ham sent in a copy of his or her log, the resulting one point was listed; three individuals for the phone band did just that. The Summer 1996 edition of the *National QCWA Journal*, which published the results, listed 106 participants on-the CW bands and 110 on Phone.

Our Chapter, as of this writing, is busily engaged in counting ballots for this year's National QCWA election. This is our second selection for this distinction, the first was in 1992. The vote count to date is pushing 4000. Look for the final election results in the Fall *QCWA Journal*.

The Chapter's first ever Field Day is

upon us and the forecast for the weekend is wet. Our goal is to make at least one contact. We are looking to a fun packed outing.

Our three Wisconsin Chapter social event is still scheduled for Saturday, the 24th of August at Victoria's Restaurant in Oshkosh. I am waiting for a menu selection and written confirmation to arrive from the restaurant. Once obtained, a flyer with all the details will be sent to Chapter points of contact and generally distributed to all interested parties. Mark your calendars for the 24th of August, 12 noon for socializing, 1 p.m. for a superb meal and 2 p.m. for a very interesting program. See you there!

Our annual picnic will be the Sunday prior to the Oshkosh event, the 18th from 1 p.m. until we leave. The Chapter will pick up the tab for the soda and watermelon. The grills and sweet corn will be provided by our host, Larry, WA9JMO, and Wendy, N9PAC, McCalvy at Decision Farm, 5400 Six Mile Road in Racine. Fern, I have it on good authority that the fish have grown and will anxiously be awaiting your hook.

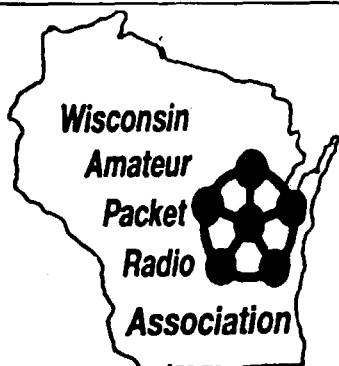
Ed Westberg, WA9Y, our Florida connection and Cecilia (I'm assuming she would not let Ed "Escape to Wisconsin" without her) are back visiting for a month or so. Ed's will be joining us during the Chapter's monolithic Field Day adventure.

73, Larry McCalvy, WA9JMO

(among others).

For more information, call the FCC's Consumer Assistance Branch at 800-322-1117.

- FCC in *The ARRL Letter*, 6/21/96



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)
Bob Gedemer, KA9JAC
609 Wilson Street, Neenah, WI 54956

Andy Nemec, KB9ALN, Editor, 720 N. Broadway (Upper West), Green Bay, WI 54303

WAPR NEWS - July, 1996

Hello, again. Last month's news was lost in Cyberspace, so we have to catch up on 2 months.

Actually, most of what I wanted to tell you is in the meeting minutes you will see on this page, so it is not all that bad.

One thing that was not covered in the minutes is an invitation for you to join WAPR. This is an excellent time to join, as our membership year runs from July to July. So your membership dollar goes further (especially if you elect to bundle WAPR membership with a Badger State Smoke Signals subscription). Remember, the continued building of the Wisconsin Network requires cold, hard cash. And that cash comes from your membership dollar. The more members we have in our statewide organization, the more the network can be built. The more of a network we have, the better we can all communicate.

On to another subject. Our chairman Kent, W9LZQ has stepped down and turns the reins over to Joel, N9BQM. I know all WAPR members will join me in thanking Kent for his service in WAPR and will wish Joel the best of luck in his position as chairman. Heading up a statewide non-profit organization like ours requires patience and imagination (not to mention time and effort!), and our thanks to Kent and Joel are the only compensation these folks will receive. Thanks also to both the current and past officers and board members who have given us both their time and energy. Without your efforts, WAPR could not function.

While we are on the subject of thanks, we should also mention the continuing support of the Central Wisconsin Radio Amateurs. Thanks to the folks who have provided us with a meeting place at their fest for the past several years. It is appreciated, and we all look forward to next year.

That is about all for this month. Happy packeting, Andy.

Wapr Meeting Minutes - June 9th, 1996

The annual meeting of the Wisconsin Association of Packet Radio was opened by chairman W9LZQ at 11 AM, June 9, 1996 in Steven's Point in conjunction with the Swapfest. Minutes of the previous meeting in Madison were not available. That meeting was held in conjunction with the Madison swapfest at Jingle's. Some items that had been discussed were various node proposals and thoughts of others. Authorization to purchase a PacComm TNC and crystals for a proposed 440 9k6 node at Rudolph was given.

A treasurer's report was given. A current balance of \$1815.11 is in the account.

Election of officers was held with the following results:

Chairman N9BQM

Vice-Chairman KC9NW

Treasurer KA9JAC Secretary AA9AW

Directors WD9ESU, N9CFN, KB9ALN

W9LZQ then left the meeting and turned it over to N9BQM

New Business:

A list of WAPR members is to be posted to the BBS system by KA9JAC. KA9JAC is to send renewal cards to all 1995-96 members. Bylaws of WAPR will be sent by him to all renewing members with their membership cards for the new year.

Various parts and pieces used at the WD9ESU-10 node at North Freedom left over from the old WA9SOU-2 node including a power supply were authorized for purchase by WAPR for \$50 from their former owner, WA9SOU. A check has been sent to him. It is requested of WD9ESU to provide a list of what was purchased. He was not present.

A discussion of various existing and proposed nodes then occupied the rest of the meeting.

Meteor Hills. The 6 meter antenna is in disrepair. It is to be repaired by W9NNS. KA9JAC is authorized to pay the annual site rent when due. This repair should allow a path to Duluth when complete.

Timm's Hill. NOGMJ is awaiting approval from Georgia Pacific to put a node there. He has a KPC-9612

and a Micor to put there. It was suggested he use a K-Net chip in the TNC. A long discussion then ensued how a 9612 would work when working with PacComm TNCs. More experience using these types units needs to be obtained before we will know how it works. A target frequency of 145.57 was discussed subject to coordination.

Black Creek. Repairs to the building to house the node have been completed. The equipment should be installed soon.

Rudolph. All parts and pieces have been procured. Installation should proceed when coordination with KE9LZ is accomplished and he is available. This node will interface with W9IHW and N9BQM to KPC-9612 K-Net equipped TNCs and PLL controlled radios.

Experience with what type of parameters will be needed to accomplish this needs to be obtained. Concerns with throughput speed if parameters are changed to accomplish this were expressed. TXD has to be lengthened to work with PLL radios. What other parameters will need to be opened up is debatable. How this node will then work with nodes equipped with crystal controlled radios

and PacComm TNCs is a concern. It might be necessary to utilize crystal controlled radios at all three sites for the throughput speed to be acceptable.

Whether a 9612 will work adequately is also another concern. So far, no one has mated a 9612 with a crystal controlled radio to see how that will work with the PacComm TNCs. A possible link at KC9NW-4 on Mosinee Hill to interface to W9IHW and N9BQM so that a RS-232 link to the two systems was discussed. This will probably not work due to hills in between both stations regardless of the band used. Neither can reach KC9NW-4 directly now. A connection from KC9NW-4 to KF9XX-5 in Marshfield is not working correctly. This is again a 9612 with PLL radio to a PacComm TNC with a Motorola Radius radio type connection. KC9NW is to open up his TXD to see if that helps.

Meeting was adjourned at 12:15 PM.

Using the Wisconsin Network - Part 17 by Andy Nemec, KB9ALN

For the last 3 parts, we have been investigating the use of the MSYS BBS as both a node and a BBS. This time, we will use a Question-and-Answer format to tie up some "loose ends", using the most common questions and the most common-seen errors made by operators using MSYS.

Q - Why, when I end a message with a /EX, does it sometimes take 2 tries before I get a "Message Stored" response?

A - This is an easy one. The /EX (or control-Z) has to be sent to the BBS on a fresh line. You may think that every line you type is a "fresh line". Not so. Just because your program looks like it starts a new line after you have typed 80 characters does not mean it adds a carriage return (which is how a computer knows to start a new line of text). Most of the common packet programs (Hostmaster, PackRatt, etc) do not. If your packet program has "word wrap" for your transmitted text, this is no problem. The solution for those who do not is to hit the "return" or "enter" key just before you send the /EX or Control-Z.

Q - I log onto our local BBS every day. If I connect up today and list the messages, I will see a certain amount. When I connect up tomorrow, the BBS will not show me the messages I saw listed today. Why?

A - The BBS keeps track of every user. Not only does it remember your home BBS and when you last checked in, but it remembers the number of the last message you have seen listed when you last connected and said Bye. The messages are still there, you just have to look for them. If there was a particular message you were interested in and don't remember it's message number, there are a couple of ways to locate it. If you know what category the message was under, like "SALE", then you can list the all of the SALE messages. If you remember that the message concerned a TS-450S for sale, then you can have the BBS do a search for you. Just type:

L"TS-450"

And the BBS will list every message that contains

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Your HOME BBS should be a full service BBS, not your TNC's mailbox.

MY PACKET STATION OPERATES: _____ DAY _____ NIGHT _____ 24HRS

I OPERATE A: _____ DIGIPEATER WITH ALIAS OF: _____

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COMPLETE and return this form with your check or money order - \$15.00 membership only or \$20.00 membership and Badger State Smoke Signals. made payable to W.A.P.R. (NOT payable to Bob Gedemer) to:

Bob Gedemer KA9JAC/WAPR
609 Wilson St.
Neenah, WI. 54956-3129

BBS keeps telling me that the message is undeliverable or something like that.

A - Chances are that you tried to enter the message as "FOR- SALE", which is too many letters for the "@BBS" field. Try typing it as SALE, it should go through then.

Q - When I enter a bulletin into the BBS, the BBS tells me that my message is being held and made invisible for Sysop review. Why?

A - FCC rules state that the originator and the first forwarding station are held responsible for the content of any messages. Just about all Sysops hold any outgoing bulletins so that they can check them for content. Even though your message may be innocent enough, there are some that are not. So, all outgoing bulletins (and sometimes personal mail) are held so that the Sysop can check them. It is nothing personal, it is simply the Sysop protecting his or her license.

Q - I am trying to mail a friend in Texas, but the BBS keeps telling me that the message cannot be delivered because of a missing or incorrect heirarchical address. I am sure I typed it in right. What gives?

A - Chances are, your friend is at a new BBS, or one that is unknown to your BBS. Send a message to your Sysop and explain the situation to him or her. All that is usually required is to add your friend's BBS into the list of BBS's that yours knows about.

Q - I am not getting mail from my friend in New Mexico. He gets my mail, but I get nothing from him.

A - Contact your Sysop. Sysops are always interested when something like this happens. Chances are, there is a BBS somewhere down the line that does not know how to route some of the mail it receives, yours among them. Sysops can trace where something is getting lost and generally fix it without too many problems. But, they have to know about it first, and are probably not aware of the situation.

Q - When using an MSYS node, I can never connect to a friend of mine. I know his station is up. What is happening here?

A - Chances are, you are not telling the node what port to look for your friend on. The MSYS node defaults to port 0 when it is trying to make a connection for you. The best way to find out what port your friend is on is to check the JustHeard list. If he is on port 2, (let's say that his call-sign is W9XBY) then you use the command:

C2 W9XBY (or your friend's call sign).

And that is all we have time and space for this time. If you have any packet related questions you think other folks might be interested in, we can pick it for inclusion in "Using the Wisconsin Network", along with the answer. Just write me at the address above, or send packet mail to:

KB9ALN@KB9ALN.#GRB.WI.USA.NA

and you'll get an answer and your question may see publication.

'Till next time, 73, Andy.



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Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)
K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary
450 West 2nd Street • Reedsburg, WI 53959

The June 13, 1996 meeting of the Yellow Thunder Amateur Radio Club, Inc. was called to order at 8:00 p.m. by club president Steve Schulze, N9UD0.

The minutes of the last meeting, as published in the BSSS, were accepted. There was no financial report.

OLD BUSINESS: None

NEW BUSINESS: The club secretary received a phone call from Julie for the "Twin Cities - Chicago AIDS Ride" requesting the club's assistance with communications during their overnight stay in Reedsburg July 3rd. Pete Sweeney, WD9JIB and Raymond Matlosz, N9MLZ will consider the request once further information is received from Julie. Given the recent Adams County Ham Fest, it was believed that our club could benefit from such an event next year. The few club members that were present than discussed plans for the upcoming field day event.

Because there were so few members present and because Bill Hommel, KA9QFJ never won buck night, it

was unanimously decided to award Bill the dollar which he very graciously returned to the club to the field day refreshment fund.

Meeting adjourned at 8:40 p.m.

The next meeting will be held Tuesday July 16, 1996 7:30 p.m., room 14 in the Baraboo Civic Center.

Sincerely,

Raymond J. Matlosz, N9MLZ, Secretary

The following members were present:

Steve Schulze	N9UD0	Baraboo
Bill Klinkner	N9KXX	Sauk City
Anne Klinkner	N9PQL	Sauk City
Raymond Matlosz	N9MLZ	Reedsburg
Bill Hommel	KA9QFJ	Baraboo
David Spearing	KB9CSW	Portage
Pete Sweeney	WD9JIB	Reedsburg

Hi, Name here is Ron Nelson, N9CFN, I upload Andy's articles to BSSS so get a chance to read them before they go to press. I see that Andy was passing thanks around, I would like to pass along my thanks to Andy for all the work he does with his articles in The

Wisconsin Packeteer! If anyone else out would like to pass their Thanks to Andy, why don't you pass it along to him at KB9ALN@KB9ALN-5.#GRB.WI.USA.NOAM, I'm sure he'd enjoy hearing from you. To make Andy's job a little easier, why not pass some packet news from your area and fire up some packet activity. 73, Ron

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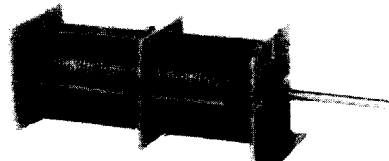
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Look inside . . . you'll see two super heavy duty transmitting variable capacitors that can handle 6000 volts. Extra wide (0.27 inch) stator plate spacing gives you arc-free operation.

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MFJ's lighted Cross-Needle SWR/Wattmeter lets you monitor SWR, forward and reflected power simultaneously. Read both peak and average power in two power ranges.

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The MFJ-989C's premium, low-profile all-aluminum cabinet has a sub-chassis that adds strength and RFI protection.

Every cabinet is chemically treated and has a tough, scratch-proof vinyl cladding -- not paint that can scratch or chip off. You won't find a tougher, longer-lasting finish anywhere.

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